

SUPPLEMENT TO VOLUME XXII.

OF THE

T R A N S A C T I O N S

OF THE

ROYAL SOCIETY OF EDINBURGH,

CONTAINING THE

MAKERSTOUN MAGNETICAL AND METEOROLOGICAL
OBSERVATIONS

FROM 1847 TO 1855.

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OBSERVATIONS

IN

MAGNETISM AND METEOROLOGY,

MADE AT

MAKERSTOUN IN SCOTLAND.

IN THE OBSERVATORY OF THE LATE

GENERAL SIR THOMAS MAKDOUGALL BRISBANE, BART.,

G.C.B., G.C.H., D.C.L., LL.D., F.R.S., F.R.A.S., H.M.S.I.A., PRESIDENT OF THE ROYAL SOCIETY OF EDINBURGH,
AND CORRESPONDING MEMBER OF THE INSTITUTE OF FRANCE,

FROM 1847 TO 1855.

BEING A SUPPLEMENT TO VOLUME XXII. OF THE TRANSACTIONS OF THE ROYAL SOCIETY
OF EDINBURGH.

EDITED BY

BALFOUR STEWART, M.A.,

DIRECTOR OF THE KEW OBSERVATORY.

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FROM 1847 TO 1855,

PRINCIPALLY UNDER THE DIRECTION OF
JOHN ALLAN BROWN, F.R.S.,
ASTRONOMER TO HIS HIGHNESS THE RAJAH OF TRAVANCORE.

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INTRODUCTION.

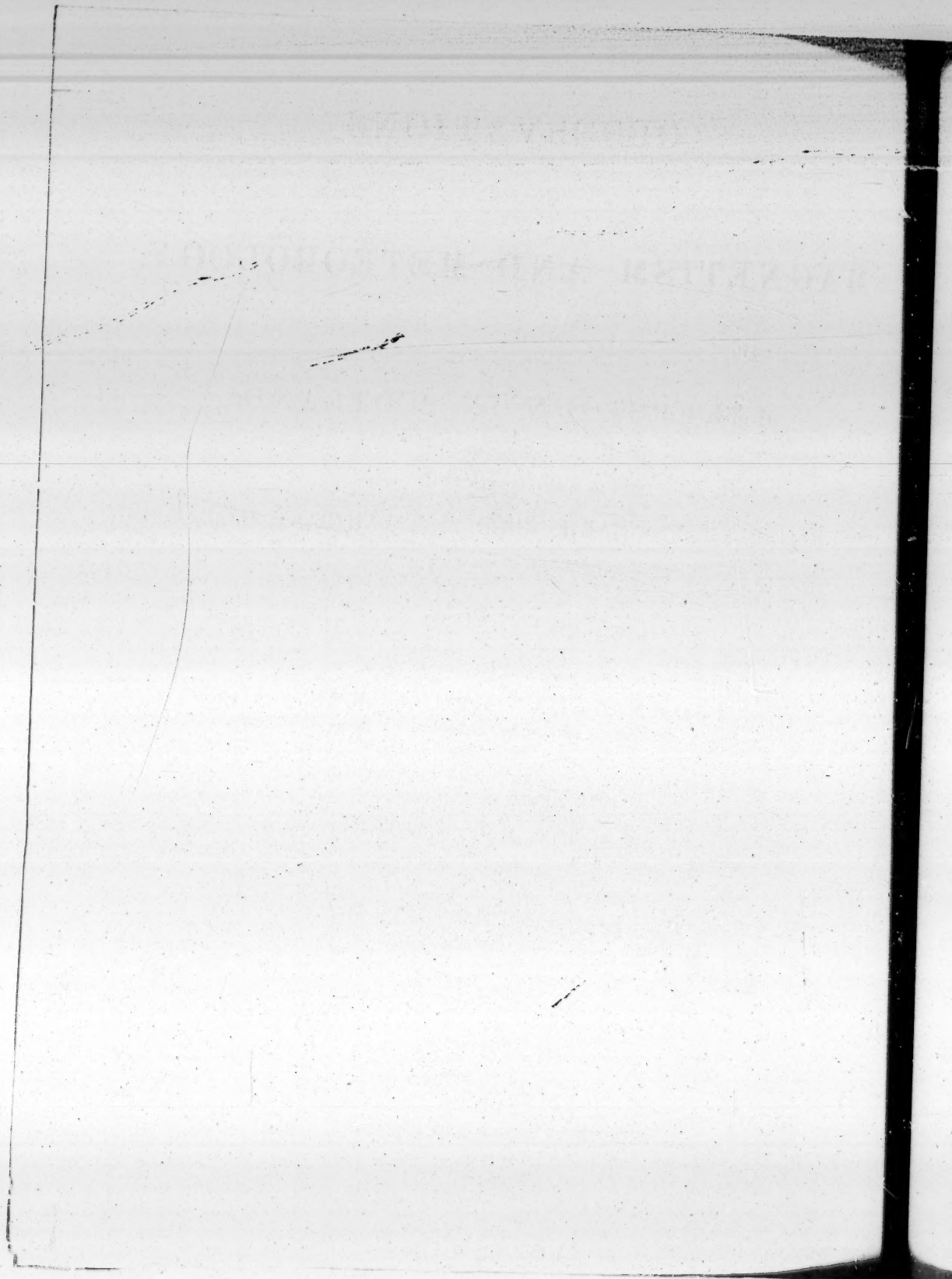
IN April 1857, the Committee of the Royal Society of Edinburgh for the reduction of the Makerstoun Magnetical and Meteorological Observations consulted the late Mr WELSH with regard to the propriety of their continuing the publication of these beyond the year 1846, the period to which it had been already extended in the Transactions of the Royal Society of Edinburgh (vols. xvii.-xix.)

Mr WELSH expressed himself favourably with respect to the value of the observations, indicated the nature of the results which might best be obtained from them, and stated what was in his view the best method of publication.

The Committee thereupon employed Mr B. STEWART to perform, under their superintendence, the reduction of the observations, as far as the end of the year 1855, after which the series was considered to be incomplete.

In performing this task, Mr STEWART has been very much aided by the various members of the Committee; and he would desire also to record his acknowledgment of the valuable advice he received from Mr WELSH, who had a particular acquaintance with these observations, having been at one time himself associated with the previous observer, Mr BROWN.

Mr A. HOGG, the observer at Makerstoun, has also very kindly afforded whatever information was necessary. Mr STEWART is also indebted to Mr CRAM and to Mr A. H. BURGESS for efficient help in the reduction of the Meteorological Observations; and also to Mr C. CHAMBERS of Kew, who has assisted in a very zealous and able manner in deducing the general magnetical results.



P R E F A C E.

THE Makerstoun Observations down to the commencement of 1847 were published at length in Vols. XVII. XVIII. and XIX. of the "Edinburgh Transactions."

Some time before the lamented decease of Sir T. MAKDOUGALL BRISBANE, the munificent founder of the Makerstoun Observatory (which took place on the 27th January 1860), it had been determined to continue the publication of the "Observations" down to the year 1855. This was carried into effect at the joint expense of the Royal Society of Edinburgh and of Sir T. M. BRISBANE, who had the satisfaction of seeing these sheets in proof before his death.

The Editor thinks it right to state somewhat more explicitly than has been done in the "Introduction" which follows, the names of those who have been from the first connected with the Makerstoun Observatory, and more especially during the period to which the following pages refer; and this not only in token of acknowledgment to those whose skill and labour produced valuable results, but as a guarantee to men of science that the observations treated of in this volume were carefully made and faithfully recorded.

The following statement is partly taken from a Report on the Makerstoun Observatory, made to General Sir T. M. BRISBANE by Mr JOHN ALLAN BROWN, and dated 1850.

The building was commenced early in 1841, but no observations were made till July of that year. The system adopted was limited, in the first instance, to a few daily observations, together with a participation in the complete series on term days.

In April 1842, the original observer, Mr RUSSELL, having resigned, the Observatory was placed under the direction of Mr JOHN ALLAN BROWN. In the beginning of 1843 Mr JOHN WELSH was, at Mr BROWN's recommendation, appointed as assistant, and the scheme of the observations was very largely expanded. It was next thought desirable to obtain the diurnal laws of magnetism and meteorology, in consequence of which Mr BROWN suggested the addition of another

observer, and Mr ALEXANDER HOGG, an ingenious mechanic who had been engaged in the construction of the Observatory (which was performed chiefly under his superintendence), and who had been afterwards employed as an observer on Term days, was in consequence appointed in the end of 1843.

In 1844 and 1845, a series of observations of all the magnetical and meteorological instruments was made hourly except on Sundays. It was originally proposed that this hourly series should extend through only two years; in 1846, therefore, the same system was adopted as in 1843. A more limited series of observations was made in the years 1847, 1848, and 1849.

After 1845 the ordinary observations at Makerstoun were chiefly made by Messrs WELSH and HOGG. The latter continued the observations in 1849, and thereafter, in accordance with instructions left by Mr BROWN for his use, who also examined the Observatory in 1851.

In the autumn of 1849 Messrs BROWN and WELSH left Makerstoun for Edinburgh, where the former continued the preparation of the last volume of the *Makerstoun Results** for the press, Mr WELSH aiding in the reductions and preparations of tables; and with this work they were occupied till the spring of 1850.

In that volume the observations were fully discussed until the beginning of 1847, while certain results were obtained extending to November 1849.

It is the observations from 1847 to 1855 that are chiefly discussed in this Appendix; while, at the same time, certain general conclusions are drawn from the whole series of observations.

From 1849 Mr HOGG was almost entirely responsible for the accuracy of the observations—a duty for which his experience and fidelity rendered him well qualified. Mr BROWN and Mr WELSH occasionally inspected the instruments. The former left England for India in November 1851. Mr WELSH had already, in 1850, been appointed to the charge of the Kew Observatory, and continued, so far as his other duties permitted, to take an interest in the Makerstoun Observations, and aided the Editor of this Appendix with his valuable advice down to the period of his premature decease in May 1859.

* Edin. Trans., Vol. XIX.

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ERRATA.

In the column "Bifilar corrected" for December 11th, 1848, 11 A.M., instead of 56.10 read 561.0.
In the same column for December 1st, 1848, 11 A.M., instead of 56.85 read 568.5.

POSITION AND DESCRIPTION OF THE OBSERVATORY.

The position and arrangements of the Observatory are described in the Makerstoun Magnetical and Meteorological Observations for 1845 and 1846,* (Introduction, p. ix.)

SYSTEM OF OBSERVATION.

During the year 1847, five observations were made daily, viz., at 20^h, 23^h, 2^h, 5^h, 8^h, Göttingen mean time.

From January 1848 to February 1850, there were only two daily observations, viz., at 23^h and 5^h Göttingen mean time; and from February 1850 till the end of 1855, there were four daily observations, viz., at 20^h, 23^h, 2^h, and 5^h, Göttingen mean time.

From the beginning of the year 1851, meteorological observations made at 9 A.M., 9 P.M. (Greenwich time) have appeared regularly in the columns of the Kelso Mail newspaper.

The only advantage here taken of these observations has been in the case of the calculated daily means of atmospheric temperature, and the maximum force of wind.

DECLINOMETER.

A detailed description of this instrument, and of the method of observing it, and also of reducing the scale readings to absolute declination, will be found in the Makerstoun Magnetical and Meteorological Observations for 1845 and 1846.*

In August 1857, the adjustment of the declinometer was examined by Mr WELSH. The following are the results :—

Arc-value of one division of the scale	= 0° 6' 722.
Zero point of the scale	= 257° 25 divisions.
Azimuth of the vertical wire of the reading telescope (A + Z)	= 25° 28' 7".

These quantities being almost identical with the values given in the Introduction to the Observations for 1845–46, no change has been made in the coefficients.

At the same time, Mr WELSH determined that the arc-value of the scale divisions remained unaltered whether the scale was observed from the position of the transit theodolite, or from that of the fixed reading telescope, showing that the divided glass scale was truly in the focus of the lens with which it forms the collimator.

It is found that the plane of detorsion of the suspending thread is apt to

* Transactions of the Royal Society of Edinburgh, vol. xix. Part I.

vary, so that the removal of torsion at any time does not guarantee that the needle shall always henceforth remain without it. The method adopted to prevent any considerable error arising from this source, is to eliminate the torsion at intervals, the declination needle being frequently compared with another, both before and after the elimination, in order to find the effect produced upon the reading of the former by eliminating the torsion. These comparisons will be found below among other notes regarding the declinometer.

No correction deduced from them has, however, been made upon the daily observations of the declinometer, since the amount of error on account of torsion is always exceedingly small.

NOTES REGARDING THE DECLINOMETER.

1847, May 12^d 5^h. Torsion circle turned from B 221 $\frac{3}{4}$ ° to 236°. A comparison made between the declinometer and another magnet, before and after the elimination, gave the effect of torsion before change = + 1'32.

May 22^d 6^h. Torsion circle turned from B 236° to 233 $\frac{1}{2}$ °. A similar comparison gave the effect of torsion before change = - 0'42.

Sept. 3^d 0^h. Torsion examined, circle turned from B 233 $\frac{1}{2}$ ° to 242°. A comparison between the declinometer and another magnet, before and after the elimination, gave the effect of torsion = + 1'66.

1848, Jan. 6^d 22^h. Torsion removed, circle turned from B 242° to 239°. A comparison as before seemed to show that the effect of torsion before the change was = + 0'06. Assuming the true effect to have been = - 0'25 (see Observations for 1845-6, page 298, note), there is left an irregularity = 0'31.

From January 6th to January 18th, 1848, the needle in the vertical force magnetometer was sometimes in its place, and sometimes away; and on January 18th it was finally arranged in a plane parallel to the magnetic meridian, having previously been in a plane perpendicular to that meridian. Owing to this change of plane, the effect of the balance needle on the declination needle after January 18th, 1848, was different from what it had been previous to that date.

With regard to this effect, the *correction*, applicable to the declinometer scale readings on account of the balance magnet, while it was in a plane perpendicular to the magnetic meridian had been determined carefully (Sept. 4, 1843, and Jan. 25, 1844) to be = - 0.80 scale divisions (see Introduction, 1843, p. xvi.) After Jan. 18^d 5^h, this correction was + 0.60 scale divisions, as determined Jan. 24, 1848, so that the old tables being used into which the correction - 0.80 entered, a correction of + 1.40 scale divisions has been applied to the readings of the declinometer for every observation after Jan. 18^d 5^h. The observations between Jan. 6^d 22^h and Jan. 18^d 5^h have likewise been suitably corrected.

On Sept. 4^d 23^h, steps, containing iron, were placed near the declinometer, from which they were removed Oct. 4^d 2^h. It was found that the *effect* of the

iron bands of the steps upon the instrument was = -2.9 scale divisions. All the observations of declination between these dates have in consequence been corrected by $+2.9$ scale divisions.

1849, July 10^d 5^h. Torsion removed, circle reading changed from 341° to $343\frac{1}{2}^{\circ}$. Comparisons made before and after seemed to show that no torsion had been taken out.

Sept. 25^d 2^h. Torsion removed, circle turned from $343\frac{1}{2}^{\circ}$ to $327\frac{1}{2}^{\circ}$.

Sept. 28^d. Thread wound up about half an inch, and allowed to hang with a brass bar until Oct. 0^d 22^h (another magnet being used in the interval), when the circle reading (left) was $281\frac{1}{2}^{\circ}$. The height of the magnet above the marble slab was measured, and the mean of the upper and lower edges (mean of north and south ends) was found to be 2.175 inches. Comparisons made between the declinometer and another magnet before and after change, gave the effect of change $+ = 1.69$.

Oct. 28^d 23^h. Torsion tried, circle not altered, torsion less than 2° .

1850, July 25^d 5^h. Observed height of declination magnet above marble slab. Mean of upper and lower edges (mean of north and south ends) = 2.155 inch. In Oct. 0^d, 1849, it was 2.175 inch, so that the thread has only stretched 0.02 inch. Torsion circle, left reading B 307° ; previously 288° .

1854, Oct. 10^d. Torsion removed, circle turned from 307° to 262° .

BIFILAR OR HORIZONTAL FORCE MAGNETOMETER.

A detailed description of this instrument, of the method of observing it, and of reducing the observations, will be found in the Introduction 1845-46, p. xxv.

It is not the object of the instrument to furnish absolute values of the horizontal component of the earth's magnetic force, but merely to measure the variations of this element. To accomplish this, a magnet is forced into a position at right angles to the magnetic meridian, and is there kept in equilibrium, by two forces, viz., the horizontal component of the earth's magnetic intensity acting on the free magnetism of the bar, and the centre of gravity of the bar itself endeavouring to attain the lowest position (see Introduction 1845-46, Art. 29).

Let us suppose that the magnet has been forced into this position. Were the horizontal component of the earth's magnetism, and the free magnetism of the bar both invariable, the position of the magnet would remain unaltered.

But both of these being variable quantities, there are consequently two independent circumstances which may cause a change in the position of the magnet.

1°, An increase of temperature, which would diminish the magnetic power of the bar, or a diminution of temperature, which would increase it.

2°, Or a change may take place in the horizontal component of the earth's magnetic intensity.

As it is this latter change which we wish to measure, the effect of tempera-

ture on the bar must be eliminated by means of temperature corrections applied to the observations.

Our object will therefore be to ascertain—1°, The value of one scale division; and, 2°, The total temperature correction for 1° F.; both of these in parts of force, that is to say, assuming the whole horizontal component of the earth's magnetic force as equal to unity.

The following were the values of these coefficients at the beginning of 1847 :—

Value of one scale division in parts of force $= k = 0.000135$. (Intr. 1845-46, p. xxxi.);

Total Temperature correction for 1° F. in parts of force $= q = 0.000266$. (Intr. 1845-46, p. xli.);

and consequently the temperature correction in scale divisions

$$= q' = \frac{q}{k} = 1.975.$$

This state of things remained until a change was made in the plane of the vertical force magnetometer, in January 1848.

When the magnet of this instrument was in a plane perpendicular to the magnetic meridian before the change, its effect upon the bifilar was ascertained on July 30, 1841, to be $= -3.15$ scale divisions $= -0.000517$ in parts of force, and from observations, September 4, 1843, it was found $= -4.03$ scale divisions $= -0.000524$ in parts of force; the mean of the two is -0.000520 . No correction on this account had been applied to the bifilar readings (Introd. 1843, p. xxxiv.).

The effect of the balance needle in its new position in the magnetic meridian was found on January 24, 1848, to be $= -1.58$ scale divisions $= -0.000213$ in parts of force. Consequently, in order to make the observations after January 18, 1848, comparable with those before that date, a correction of -0.000307 parts of force $= -2.3$ scale divisions, must be applied; and accordingly this has been done to all the observations after January 18, 1848, and before July 8, 1851. After July 8, 1851, the value of a scale division of the bifilar became less in the proportion of 23 to 25 nearly; consequently, the correction on account of the balance magnet, which was $= -2.3$ scale divisions before that date, became $= -2.5$ scale divisions after it. This amount has accordingly been deducted from all the observations of the bifilar after July 8, 1851.

On July 8, 1851, at 23^h 54^m Göttingen mean time, a change was made upon the bifilar magnetometer, the torsion circle being turned.

The readings of the torsion circle before being turned were, A 109° 31', B 289° 33'. After being turned they were, A 107° 59', B 288° 0'. The mean amount of turning was therefore 1° 32'.5.

Before the change

$$v = 69^\circ 3' 5'' \quad (\text{Introduction, 1845-46, p. xxxii.})$$

hence, after the change

$$v = 70^\circ 36'.$$

Now,

$$k = 1.08 \times a \cot v, \quad (\text{Introduction, 1845-46, p. xxxi.}) \\ = 1.08 \times 0.00032675 \times \cot 70^\circ 36' = 0.0001243,$$

which therefore represents the value of one scale division in parts of force after the change.

Hence, also,

$$q' = \frac{q}{k} = \frac{266}{124.3} = 2.14,$$

which therefore represents the temperature correction for 1° Fahr. in scale divisions after the change.

In order to make the reading 500 represent the same value of force after the change as before it, a process similar to that given (Introduction, 1845-46, p. xxxii.) must be adopted.

Thus we have reading before change corrected for temperature + 340 = 595.4.

Reading after change corrected for temperature + 340 = 516.9.

Hence

$$(595.4 - 500) 0.000135 = (516.9 - z) 0.0001243,$$

whence

$$z = 413.2,$$

the difference between which and 500 is 86.8. Adding 86.8 to 340.0, we obtain 426.8.

If, therefore, we use 426.8 after the change to replace 340 before it, the same zero, 500, will be applicable both before and after, and consequently the temperature tables after the change will be formed thus:—

Let N denote the observed reading,

t the temperature Fahr.,

n the reading corrected by means of the temperature tables;

then

$$n = N + 426.8 + (t - 26^\circ) 2.14. \quad (\text{See Introduction, 1845-46, p. xxxiii.})$$

Also the means f in parts of the whole horizontal force, given in the abstracts of results, are obtained after the change by the formula

$$f = (n - 500) 0.0001243,$$

the corresponding formula before the change being

$$f = (n - 500) 0.000135. \quad (\text{Introduction, 1845-46, p. xxxiii.})$$

BALANCE OR VERTICAL FORCE MAGNETOMETER.

A detailed description of this instrument, and of the method of observing it, and reducing the observations, will be found in the Introduction, 1845-46, p. xxxiii.

The object of the instrument is to measure the variations of the vertical component of the earth's magnetic force. It consists of a magnetic needle balanced

horizontally, having a knife-edged axle which rests upon agate planes, the tendency of the earth's magnetism to depress the one end being counterbalanced by an excess of weight tending to depress the other.

The variations of the vertical component of the earth's magnetic force will therefore cause changes in the position of the magnet, and may be measured by these changes, as observed by a micrometer, the correction for temperature being applied.

The following were the values of the instrumental coefficients at the beginning of 1847 :—

Value of one scale division in parts of force = $k = 0.0000100$ (Introduction, 1845-46, p. xlii.) ;

Temperature correction for 1° F. in parts of force = $q = 0.000079$ (Introduction, 1845-46, p. xlviii.) ;

and consequently the temperature correction in scale divisions

$$= q' = \frac{q}{k} = 7.90.$$

On January 18, 1848, the balance magnet was changed from a plane perpendicular to the magnetic meridian into the plane of the meridian.

After this change the following observations were made on Jan. 25, 1848, to determine the value of k , the scale coefficient, by the method of deflections.

The deflections were made with Professor FORBES' bar placed N. and S. of the balance magnet, and the following are the results :—

Distance of Bar in Feet.	Deflection of Balance Magnet in adjustment in mic. divisions.	Deflection of Balance Magnet suspended hori- zontally.	Value of k from the formula $k = \frac{\tan u}{n \tan \text{dip.}}$ (See Introduction, 1845-6, p. xli.)
	(n)	(u)	
1.9	409.1	88' 21"	0.00002123
2.0	341.5	73' 36"	0.00002118
2.2	245.6	53' 2"	0.00002122
2.4	182.6	39' 28"	0.00002124
2.6	140.5	30' 18"	0.00002120
3.0	88.7	19' 5"	0.00002115
Mean value of $k = 0.00002120$			
hence $q' = \frac{q}{k} = \frac{0.0000790}{0.0000212} = 3.72.$			

1848, Aug. 28^d 5^h.—The vertical-force box was removed for 20 minutes.

„ Nov. 3^d 23^h.—The cover was placed on the balance magnet—off since the instrument was placed in the meridian.

1850, July 29.—Time of vibration for small arc = 7.36.

In August 1857 observations were made by Mr WELSH to determine the value of k , the scale coefficient of the balance magnet, by the method of deflections.

The deflections were made with a 3.65-inch magnet, in a manner precisely

similar to that described in the Introduction, 1845-46, pp. xl. and xli. The following are the results:—

Distance of Bar in Feet.	Deflection of Balance Magnet in adjustment in mic. divisions.	Deflection of Balance Magnet suspended hori- zontally.	Value of k from the formula $k = \frac{\tan u}{n \tan \text{dip.}}$ (See Introduction, 1845-46, p. xli.)
2.5	⁽ⁿ⁾ 212.7	^(u) 47' 37"	0.0000226
3.0	116.7	26' 16"	0.0000228

As the value of k , thus obtained, does not differ much from that obtained by Mr BROWN in 1848, the original value has been adopted in the reductions.

The tabular corrected readings of the balance needle, before its change of plane, are found thus:—

Let n denote the observed reading (generally negative),

t the temperature Fahr.,

R the reading corrected by means of the temperature tables;

then,

$$R = 124 + 7.90(t - 26^\circ) + n. \quad (\text{Introduction, 1845-46, p. xliii.})$$

The quantity R being multiplied by the factor 0.00001, gives the variation in parts of force.

After the change of plane of the balance magnet, the above formula became

$$R = 96.7 + 3.72(t - 26^\circ) + n,$$

at least as far as may be inferred from the temperature tables then prepared and employed.

It would seem, however, that some change in the zero of the instrument took place at the time of its change of plane, which was not embodied in the temperature tables. This change appears, however, to have been recognised in the General Results, p. xlv., in a table which contains the monthly means of the vertical component of the magnetic force from 1842 to 1849, and consequently this table furnishes the means of estimating the change. It would seem that R , or the quantities found in the daily observations under the heading "Balance corrected," require, after the date of change, to be diminished by the quantity 118.0, before being multiplied by their appropriate factor 0.0000212, in order to give forces comparable with those obtained before the change. Hence, before the change—

$$f = R \times 0.0000100. \quad (\text{Results 1844, p. 373.})$$

After the change,

$$f = (R - 118.0) \times 0.0000212.$$

It was thought that by this means the observations, after the change of plane, might be made comparable with those before; nevertheless, Mr WELSH advised that they should be treated as two distinct series.

BAROMETER—THERMOMETERS.

xv

The following are the monthly means of the observations of the balance magnetometer for the years 1850, 1851, 1852 :—

Month.	1850.	1851.	1852.
January	112.0	69.6	99.8
February	111.2	70.6	108.4
March	104.2	62.1	98.7
April	93.0	59.8	91.5
May	77.4	59.3	81.1
June	93.4	64.8	89.9
July	93.5	108.4	96.8
August	75.6	108.8	91.2
September	79.3	123.3	90.9
October	77.4	115.9	88.3
November	72.3	99.8	80.6
December	69.3	100.2	70.4

It appears from the above table that a marked break in the continuity occurs between June and July 1851. It seems likely that some unrecorded alteration was made on the instrument about that date. (The bifilar was altered July 8, 1851.)

It seems advisable, therefore, to divide the whole body of vertical force observations now published into three distinct series. The first of these will extend from January 1, 1847, to January 18, 1848, the date of the change of plane; the second from January 18, 1848, to June 30, 1851; and the third from June 30, 1851, to December 31, 1855.

BAROMETER.

A detailed description of this instrument is given in the Introduction 1845-6, p. lii.

All the observations are corrected by -0.012 inch to the mean of the Royal Society's flint and crown-glass barometers; they are also corrected for temperature to 32° Fahr. by Schumacher's Tables, given in the Report of the Committee of Physics of the Royal Society of London. The cistern of the barometer is 213 feet above the mean level of the sea at Berwick-upon-Tweed.

THERMOMETERS.

A description of these instruments will be found in the Introduction, 1845-46, p. liii. In page lv. of the same Introduction we have a table of corrections for the readings of the dry and wet bulb thermometers to the temperature by

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Newman's standard. On June 20, 1853, Newman's standard was returned from the Kew Observatory with the following Table of corrections :—

Temperature. Fahr.	Corrections to be applied to the read- ings of Newman's Standard.	Temperature. Fahr.	Corrections to be applied to the read- ings of Newman's Standard.
°		°	
32	— 0·05	60	— 0·52
36	— 0·10	63	— 0·59
40	— 0·15	67	— 0·67
45	— 0·16	70	— 0·74
50	— 0·27	76	— 0·87
55	— 0·40	79	— 0·92

On August 11, 1857, the wet and dry bulb thermometers were compared with Newman's standard in the running stream of the Tweed, and the temperatures were as follows :—

Newman's Standard, 64°·3 ; dry bulb, 64°·75 ; wet bulb, 64°·35.

Taking everything into consideration, the following Table of corrections has been drawn out as applicable to the readings of the wet and dry bulb thermometers from 1847 to 1855 :—

TABLE of Corrections applicable to the Wet and Dry Bulb Thermometers.

Temperature.	Dry Bulb.	Wet Bulb.	Temperature.	Dry Bulb.	Wet Bulb.
0° F.	— 0·5	— 0·2	55° F.	— 1·1	— 0·8
7	— 0·6	— 0·3	60	— 1·2	— 0·9
13	— 0·7	— 0·4	67	— 1·1	— 0·8
19	— 0·8	— 0·5	70	— 1·0	— 0·6
25	— 0·9	— 0·6	76	— 1·0	— 0·7
32	— 1·0	— 0·7	79	— 1·1	— 0·7

RAIN GAUGE.

The Observatory rain gauge is placed in a space enclosed by a paling on the top of the Observatory hill, with a good exposure on all sides. The funnel-mouth is 6·1 inches in diameter, 8 inches above the soil, and 218 feet above the level of the sea. The quantity of rain is measured at noon by pouring it into a glass tube graduated with reference to the aperture of the funnel.

VANES AND ANEMOMETER.

A detailed description of these instruments will be found in the Introduction 1845-46, p. lviii.

The direction of the wind is indicated in this volume by the *number* of the point of the compass, reckoning N = 0, E = 8, S = 16, W = 24.

The anemometer is observed in the following manner: About 2^m before the observation hour the position of the index is observed, and the pressure shown is registered as the maximum pressure occurring since last observation hour; the index is then put back to zero, and from 7^m to 10^m afterwards the position to which it has again been carried is noted as the present pressure; the index is then set to zero, and a similar double reading made at the next observation hour.

The instrument registers the force of the wind in pounds on the square foot of surface (see Introduction 1845-46, p. lx.).

STATE OF THE SKY.

The extent of sky clouded is estimated; the whole sky covered with clouds being noted as 10, and the complete absence of clouds as zero.

NOTES REGARDING METEOROLOGICAL INSTRUMENTS.

1847, March 28.—New silk put on wet-bulb thermometer.

„ Oct. 29^d 23^h.—New silk put on wet bulb.

„ Dec. 10^d 3^h.—Iron bars put into grate.

„ Dec. 10^d 5^h.—Anemometer repaired.

1848, Nov. 22^d 23^h.—Cord of anemometer found broken at 22^h; a new one put on, but the instrument not adjusted.

1849, July 20^d 23^h.—New silk put on wet-bulb thermometer.

1850, Feb. 8^d 22^h.—Anemometer leaky, the water taken out, a new bottom put on, and a new piece of copper tube put to the under end; 9^d 8^h, placed and filled with water.

1850, Feb. 14^d.—New silk put on vane.

„ April 18^d 5^h.—The index of maximum thermometer is adhering to the mercury.

DESCRIPTION OF THE TABLES OF THE OBSERVATIONS.

Daily Observations of Magnetometers, 1847 to 1855 (pp. 1-47).

The headings contain the Göttingen mean solar time, astronomically reckoned, of the observations of the declination magnetometer. Göttingen time is 49^m 50^s in advance of Makerstoun time. The first column gives the civil day; the second column gives the absolute westerly declination in degrees, minutes, and decimals of a minute, deduced as already described.

The third column contains the observations of the bifilar magnetometer in

scale divisions, corrected for temperature to 26° Fahr. The bifilar is observed 2^m after the declination magnetometer.

The fourth column gives the reading of the balance magnetometer in micro-meter divisions, corrected for temperature to 26° Fahr. It is observed 3^m after the declination magnetometer.

During the year 1847, five daily observations of magnetometers were made, viz., at 8 A.M., 11 A.M., 2 P.M., 5 P.M., 8 P.M. Göttingen mean time; these observations extend from page 1 to page 7. As it would have occupied too much space to have given the temperatures of the bifilar and the balance magnetometer separately for each observation hour, the means of the temperatures of both for the hours 8 A.M. and 5 P.M. are given in the last two columns.

From January 1848 to February 1850, only two daily observations of magnetometers were made, viz., at 11 A.M., 5 P.M. Göttingen mean time; these observations extend from page 8 to page 14.

Here the means of the temperatures of the two magnetometers are given for both the observation hours.

From February 1850 to December 1855, there were four daily observations of magnetometers, viz., at 8 A.M., 11 A.M., 2 P.M., and 5 P.M. Göttingen mean time; these extend from page 14 to page 47. Here the mean temperatures of the two magnetometers for all the observation hours are given in the last four columns.

Daily Meteorological Observations, 1847 to 1855 (pp. 49-101).

The first column contains the civil day; the second gives the calculated daily means of atmospheric temperature which have been obtained in the following manner:—During the years 1844, 1845, hourly observations of temperature were made, and during the years 1843 and 1846 nine observations were made daily. On the basis of these four years' observations, the following Table (similar in principle to Table 75, p. lxxxvi. General Results of the Makerstoun Observations) has been constructed, showing for each month the correction that requires to be applied to an observation made at any hour of the day in order to obtain the mean temperature of the day.

TABLE of Corrections to be applied to Observations of the Temperature of the Air at any Hour, in order to get the Mean of the Day.

Mak. M. T.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
0	-2.4	-3.2	-4.9	-5.9	-5.0	-5.7	-5.2	-6.1	-6.4	-4.7	-3.1	-2.2
1	-3.1	-3.9	-5.3	-6.5	-5.6	-6.4	-5.3	-6.5	-7.3	-5.0	-3.5	-2.5
2	-3.0	-4.0	-5.4	-6.7	-5.6	-6.0	-5.2	-6.8	-7.5	-5.0	-3.3	-2.2
3	-2.2	-3.2	-5.2	-6.5	-5.6	-5.4	-5.1	-6.5	-7.0	-4.3	-2.3	-1.5
4	-1.3	-2.6	-4.1	-5.6	-4.9	-4.8	-4.5	-5.9	-5.8	-2.8	-1.0	-0.4
5	-0.5	-0.9	-2.8	-4.1	-3.8	-4.3	-3.5	-4.4	-4.1	-1.1	-0.0	-0.1
6	+0.1	-0.1	-0.8	-2.5	-1.8	-2.7	-2.4	-2.7	-1.8	-0.0	+0.4	+0.4
7	+0.3	+0.3	+0.3	-0.2	-0.6	-1.3	-0.7	-0.6	-0.0	+0.7	+0.5	+0.4
8	+0.5	+0.7	+1.1	+1.0	+1.6	+0.7	+1.1	+1.1	+1.0	+1.2	+0.7	+0.5
9	+0.5	+1.0	+1.6	+2.3	+2.3	+2.5	+2.2	+2.3	+2.3	+1.8	+0.8	+0.7
10	+0.4	+1.2	+2.1	+3.4	+3.0	+3.7	+3.3	+3.5	+3.1	+1.9	+1.0	+0.8
11	+0.3	+1.5	+2.4	+4.1	+3.8	+4.6	+3.7	+4.2	+3.6	+1.9	+0.9	+0.9
12	+1.2	+1.7	+2.8	+4.5	+4.3	+5.3	+4.5	+4.5	+4.6	+2.2	+1.0	+0.7
13	+1.4	+1.8	+3.1	+5.0	+4.4	+5.7	+5.1	+5.1	+5.1	+2.2	+1.0	+0.5
14	+1.4	+2.1	+3.1	+5.3	+5.1	+6.0	+5.3	+5.5	+5.4	+2.5	+1.3	+0.5
15	+1.4	+2.1	+3.3	+5.4	+5.6	+6.3	+5.7	+5.9	+5.7	+2.6	+1.3	+0.7
16	+1.1	+2.0	+3.7	+5.8	+5.5	+5.8	+5.4	+6.0	+6.0	+2.7	+1.5	+1.0
17	+1.3	+1.7	+4.0	+5.5	+4.5	+4.9	+4.3	+5.8	+6.0	+3.2	+1.4	+1.1
18	+1.2	+1.8	+3.9	+4.2	+2.8	+2.9	+2.4	+4.3	+5.4	+2.9	+1.5	+1.2
19	+1.2	+2.0	+3.0	+2.3	+1.0	+1.1	+0.6	+2.3	+3.2	+2.8	+1.5	+1.0
20	+1.2	+1.7	+1.2	+0.2	-0.7	-1.0	-1.2	+0.0	+0.4	+1.2	+1.5	+0.7
21	+0.7	+0.2	-0.7	-2.1	-2.3	-2.7	-2.4	-2.1	-1.9	-0.7	+0.2	+0.1
22	-0.1	-1.5	-2.5	-4.0	-3.4	-3.9	-3.5	-3.9	-4.3	-2.4	-1.1	-0.8
23	-1.6	-2.5	-4.0	-5.0	-4.6	-5.2	-4.5	-5.1	-5.8	-3.9	-2.2	-1.6

From this Table it is easy to find what correction ought to be applied to the mean temperature of the observation hours in order to obtain the mean of the day.

During the year 1847 there were five observation hours, viz:—20^h, 23^h, 2^h, 5^h, 8^h, Göttingen mean time, or approximately 7 A.M., 10 A.M., 1 P.M., 4 P.M., 7 P.M., Makerstoun mean time. And consequently the following corrections require to be applied to the mean of these observations in order to find the mean temperature of the day:—

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
-0.6	-1.1	-1.7	-2.8	-2.7	-3.1	-2.7	-2.9	-2.8	-1.3	-0.7	-0.5

During the years 1848 and 1849, and January 1850, there were only two hours, viz. 23^h, 5^h, Göttingen mean time, corresponding nearly to 10 A.M. and 4 P.M. Makerstoun mean time, and here the following corrections require to be applied:—

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
-0.7	-2.0	-3.3	-4.8	-4.1	-4.3	-4.0	-4.9	-5.0	-2.6	-1.0	-0.6

From February 1850 till the end of the same year there were four observation hours, at 7 A.M., 10 A.M., 1 P.M., 4 P.M. Makerstoun mean time approximately, and the following are the corrections applicable:—

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Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
-0.8	-1.5	-2.2	-3.4	-3.2	-3.5	-3.2	-3.5	-3.5	-1.8	-1.0	-0.7

During the years 1851 to 1855, making use of the observations sent to the "Kelso Mail," there are in all six hours, viz., 7 A.M., 9 A.M., 10 A.M., 1 P.M., 4 P.M., 9 P.M., Makerstoun mean time, and the following corrections require to be applied to the mean of these observations:—

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
-0.3	-0.8	-1.3	-2.3	-2.1	-2.4	-2.1	-2.3	-2.3	-1.0	-0.5	-0.3

The third column contains the calculated daily means of sky clouded, being merely the means of the daily observations, of which (as already mentioned) there were five during 1847, two during 1848 and 1849 and January 1850, and four from February 1850 till the end of 1855. The observations communicated to the "Kelso Mail" were not made use of.

In the 4th, 5th, 6th, and 7th columns, we have the height of the barometer, the temperature of the air, the temperature of evaporation, and the relative humidity for 11 A.M. Göttingen mean time, and in the next four columns we have the same elements for 5 P.M. Göttingen mean time. These columns are continued throughout the whole series of observations. The only remark it is necessary to make regarding these is the following one. The relative humidity was calculated according to APJOHN's formula, viz.:—

$$f'' = f' - \frac{d}{87} \times \frac{h}{30} \text{ for temperature of evaporation above } 32^{\circ} \text{ Fahr.}$$

And

$$f'' = f' - \frac{d}{96} \times \frac{h}{30} \text{ for } \text{do.} \quad \text{below } 32^{\circ} \text{ „}$$

where f'' is the elasticity of vapour required to be found, f' the elasticity corresponding to the temperature of the wet thermometer, d the difference between the dry and wet thermometers, and h the height of the barometer. The labour of calculation was abridged by using a sliding-rule adapted to APJOHN's formula invented by the late Mr WELSH.

The 12th and 13th columns contain the readings of the maximum and minimum thermometers on RUTHERFORD's principle. These observations are discontinued after August 1850. Occasionally it will be found that the reading of the minimum thermometer is higher than the calculated daily mean temperature, an instance of which occurs on December 18, 1847. There are two circumstances which may lead to this result.

1°. The calculated daily mean temperature, although on the average of a number of days coming very near the truth, may yet not represent accurately the average temperature of some one particular day.

2°. The minimum thermometer is noted and reset about 10^h A.M., the maxi-

mum thermometer about 5^h P.M. Now, although it is probable that the coldest portion of a civil day will have occurred between 12 o'clock of the previous evening and 10 A.M., when the minimum thermometer is read, yet it may not be so, for the weather may grow suddenly colder after 10 A.M., and the mean of the day, as calculated from the temperature observations, may even prove lower than the reading of the minimum thermometer.

The anemometer being an instrument which, by means of an index, registers the greatest force of the wind between two consecutive observation hours, we are thus enabled to find the maximum force of wind for the day, which is given in the 15th column. Here, as the instrument is reset every observation hour, it was necessary to examine the observations contained in the "Kelso Mail" for the years 1851-55.

The mean force of wind noted in the next column is the mean of the present pressures of the wind at the different observation hours, these hours being the same as those for which the direction of the wind is noted in the last column.

GENERAL RESULTS OF THE MAGNETICAL OBSERVATIONS.

Magnetic Declination.

The following Table contains the corrections that have been applied to the means of the observed readings of the declinometer, in order to get the mean of the day. (These corrections have been deduced from hourly observations made during 1844 and 1845):—

TABLE 1.—Correction for Mean of Observation Hours.

Month.	20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h , G. M. T.	23 ^h , 5 ^h , G. M. T.	20 ^h , 23 ^h , 2 ^h , 5 ^h , G. M. T.
January,	-1.08	-1.55	-1.62
February,	-0.96	-1.33	-1.55
March,	-1.35	-1.49	-2.01
April,	-1.26	-1.84	-1.92
May,	-1.14	-2.01	-1.44
June,	-1.07	-1.81	-1.29
July,	-1.10	-1.86	-1.42
August,	-1.41	-2.10	-2.03
September,	-1.24	-1.83	-2.13
October,	-1.39	-1.48	-1.95
November,	-1.01	-1.65	-1.87
December,	-0.83	-0.81	-1.26

If the corrections recorded in the preceding Table be applied to the observations, we obtain the monthly means as follows:—

TABLE 2.—Monthly and Yearly Means of Declination.

Month.	1847. 24°+	1848. 24°+	1849. 24°+	1850. 24°+	1851. 24°+	1852. 24°+	1853. 24°+	1854. 24°+	1855. 24°+
January, .	62.69	55.88	47.90	42.09	34.31	27.10	21.12	15.35	8.60
February, .	62.54	54.67	47.66	42.41	33.65	27.85	20.95	15.32	8.29
March, . .	62.60	54.66	47.35	41.88	33.41	27.16	20.50	14.22	8.25
April, . . .	62.07	53.58	46.30	40.41	32.18	27.61	19.92	...	8.41
May,	60.60	53.16	46.20	40.45	32.29	26.51	18.99	...	6.04
June,	59.69	51.43	45.85	40.10	32.35	25.53	20.25	...	6.00
July,	59.52	51.44	44.13	39.15	31.26	24.93	19.93	...	4.54
August, . . .	59.11	50.56	43.72	37.33	30.21	23.49	16.96	...	...
September, .	57.20	49.10	42.75	37.02	30.56	23.92	17.19	10.10	...
October, . . .	56.62	49.33	43.33	36.47	29.24	23.58	16.02	8.00	2.18
November, . .	56.79	48.83	43.65	34.88	28.21	22.73	15.77	...	1.33
December, . .	55.90	49.22	43.73	35.35	28.37	22.00	16.72	8.45	1.53
Mean Declination, }	59.61	51.82	45.21	38.96	31.34	25.20	18.69	[11.82]	[5.25]

If we examine the change of the declination from year to year, we shall find that this increases from 1841 to 1855.

The secular change is not therefore strictly constant.

Let us suppose that it may be represented by the following formula:—

$$\text{Yearly secular change} = x + ny$$

Where x denotes the most probable secular change between 1841 and 1842, and y its yearly increase, so that $x+y$ denotes the change between 1842 and 1843; $x+2y$ that between 1843 and 1844, and so on.

Also let d denote the most probable value of the declination for 1841, then we have, by well-known methods,

$$d = 25^\circ 33'.78$$

$$x = -5.525$$

$$y = -0.133$$

In the following Table the observed declinations are compared with those calculated according to this formula, and the differences are exhibited :—

TABLE 3.—Observed and Calculated Declinations compared together.

Year.	Declination.		Observed Minus Calculated.*
	Observed.	Calculated.	
1841	25 33.68	25 33.78	— 0.10
1842	25 28.45	25 28.25	+ 0.20
1843	25 22.85	25 22.60	+ 0.25
1844	25 17.06	25 16.80	+ 0.26
1845	25 11.32	25 10.88	+ 0.44
1846	25 05.97	25 04.82	+ 1.15
1847	24 59.61	24 58.63	+ 0.98
1848	24 51.82	24 52.30	— 0.48
1849	24 45.21	24 45.84	— 0.63
1850	24 38.96	24 39.25	— 0.29
1851	24 31.34	24 32.53	— 1.19
1852	24 25.20	24 25.67	— 0.47
1853	24 18.69	24 18.68	+ 0.06
1854	24 11.82	24 11.55	+ 0.27
1855	24 05.25	24 04.29	+ 0.96

* Mr Chambers, to whom I am indebted for the calculation of the most probable values of declination given above, has remarked that the residual differences of the last column exhibit some indications of a period in their value.

Having thus obtained the most probable value of the secular change for any year, we may find the annual variation of the declination for a given hour of the day in the following manner :—

From one year's monthly means of declination for that hour eliminate the secular change.

Having thus obtained monthly means for a given hour for that year free from secular change, the annual variation of declination for that hour and year is easily found. If there are several years during which observations at that hour were taken, we may then, in the usual manner, obtain the mean annual variation for these years of declination at the given hour.

The following Table exhibits the annual variation of the declination for the different hours :—

TABLE 4.—Declination—Annual Variation for the Different Hours.

Gött. M. T.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
h.												
0	-1.03	-0.61	-0.53	-0.39	-0.12	+0.30	+0.18	+1.51	+2.27	+1.16	-0.87	-1.86
1	-1.98	-1.63	+0.13	+0.92	-0.04	-0.07	+0.23	+2.18	+2.30	+1.00	-0.78	-2.25
2	-2.16	-1.32	+0.93	+1.91	+0.31	+0.95	+1.04	+1.83	+0.75	+0.10	-1.76	-2.58
3	-2.03	-1.31	+0.18	+1.33	+0.35	+0.76	+0.58	+2.18	+1.16	+0.42	-1.26	-2.34
4	-1.32	-1.30	+0.33	+1.18	+0.46	+1.68	+1.42	+1.05	+0.06	+0.25	-1.59	-2.26
5	-0.51	+0.07	+0.47	+1.12	+0.69	+1.53	+1.16	-0.08	-1.18	-0.81	-1.23	-1.21
6	-0.01	-0.24	-1.00	-0.24	+0.22	+1.11	+1.65	+0.25	-0.42	-0.20	-0.38	-0.74
7	+0.40	-0.24	-1.22	-0.54	+0.55	+0.82	+1.52	-0.21	-0.55	+0.16	-0.59	-0.10
8	+0.62	-0.33	+0.08	-0.95	+0.41	+1.44	+1.22	+0.35	-1.24	-0.09	-0.93	-0.60
9	+0.48	-0.41	-0.45	-0.40	+0.27	+1.26	+1.17	+1.14	-0.44	-0.48	-1.28	-0.81
10	+0.17	-0.64	-0.51	-0.37	+0.47	+1.91	+0.97	+0.61	-0.43	-0.29	-1.24	-0.62
11	+0.34	-0.56	-0.37	-0.22	+0.39	+0.92	+0.82	+0.33	+0.72	-0.77	-1.19	-0.37
12	+0.16	+0.43	-0.70	-0.50	-0.21	+0.64	+0.58	+0.88	+0.77	-0.84	-0.72	-0.48
13	+0.77	-0.16	-0.80	-0.12	-1.12	+0.37	+0.16	+0.20	+0.93	-0.15	-0.16	+0.07
14	+0.80	+0.80	-0.38	-1.03	-0.93	+0.01	-0.38	+0.13	+0.44	+0.05	+0.42	+0.04
15	+0.47	+0.66	+0.21	-2.07	-0.62	-0.74	-0.99	+0.37	+0.34	+0.19	+1.45	+0.69
16	+0.71	+0.80	-0.84	-1.52	-0.71	-1.35	-0.37	0.00	-0.44	+1.34	+1.20	+1.18
17	+1.36	+0.64	-0.50	-0.42	-1.08	-2.41	-1.06	-0.95	+0.09	+1.76	+1.03	+1.56
18	+1.52	+0.78	+0.06	-0.88	-1.67	-2.10	-1.39	-0.65	+0.40	+1.81	+0.97	+1.17
19	+2.64	+1.20	+0.39	-1.30	-2.78	-3.86	-2.15	-1.17	+1.22	+2.48	+1.58	+1.73
20	+2.10	+1.36	+0.17	-1.45	-2.15	-2.47	-1.69	-1.44	+0.69	+1.30	+1.57	+2.02
21	+2.48	+1.41	-0.21	-2.65	-2.17	-2.91	-1.59	0.00	+1.61	+0.81	+1.87	+1.34
22	+1.32	+0.99	-0.94	-1.72	-1.47	-1.19	-0.78	+0.36	+1.74	+0.90	+0.47	+0.33
23	+0.09	-0.08	-0.06	-0.67	-0.12	-0.61	-0.56	+0.47	+1.35	+0.27	+0.20	-0.21

In the above Table the variations for some hours represent the means of a greater number of years than those for other hours. The following Table exhibits the years that were made use of, in order to obtain each hour's variation as represented above. Only complete years' observations were used.

TABLE 5.

Hour. G.M.T.	Years Employed.											
0	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
1	.....	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
2	1843	1844	1845	1846	1847	.....	.....	.....	.....	1851	1852	1853
3	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
5	.....	1844	1845	.....	1847	1848	1849	1850	1851	1852	1853	.....
6	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
7	.....	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
8	1843	1844	1845	1846	1847	.....	.....	.....	.....	.....	.....	.....
9	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
11	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
19	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	1843	1844	1845	1846	1747	.....	.....	.....	.....	1851	1852	1853
21	.....	1844	1845	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	1843	1844	1845	1846	.....	.....	.....	.....	.....	.....	.....	.....
23	.....	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	.....

From this it will be seen that some of the horizontal lines in Table 4 represent the average result of a greater number of years than others. This will undoubtedly diminish to some extent the value of the Table, and prevent the annual variations for the different hours from being so comparable with one another as they would otherwise have been. It is believed, however, that the Table is not without interest.

The following Table represents the annual range for the different hours as deduced from Table 4 :—

TABLE 6.—Declination—Annual Range for the Different Hours.

Hour G. M. T. }	0	1	2	3	4	5	6	7	8	9	10	11
Range,	4.13	4.55	4.49	4.52	3.94	2.76	2.65	2.74	2.68	2.54	3.15	2.11
Hour G. M. T. }	12	13	14	15	16	17	18	19	20	21	22	23
Range,	1.72	1.89	1.83	3.52	2.86	4.17	3.91	6.50	4.57	5.39	3.46	2.02

On examining Table 6 it is perceived that the ranges of variation for the hours of the day are greater than those for the hours of the night, the ranges for the hours about midnight being especially small. A similar fact has been noticed by General Sabine, for Toronto, Hobarton, the Cape of Good Hope, and St Helena. (See Transactions Royal Society of London, Part II. for 1851.)

Another fact, noticed also by General Sabine for these four stations, has its analogue at Makerstoun.

It will be seen that the months June and July go together, being affected with a minus sign—that is to say, having a less than mean westerly declination, or being east of the mean position from about 14^h to about 23^h G. M. T., or from 1 A.M. to 10 A.M., Makerstoun mean time; while they are affected with a positive sign, or are west of the mean position, during the remaining hours.

Precisely the reverse happens with November and December, which are affected with a positive sign, or are to the west of the mean position from about 1 A.M. to 10 A.M., Makerstoun mean time; while during the remainder of the day they are to the east of the mean, being affected with a negative sign.

HORIZONTAL FORCE.

The following Table contains the corrections that have been applied to the means of the observed readings of the horizontal force magnetometer in order to obtain the mean of the day. These corrections have been deduced from hourly observations made during 1844 and 1845.

TABLE 7.—Horizontal Force—Correction for Mean of Observation Hours in Scale Divisions.

Month.	20 ^h , 23 ^h , 2 ^h , 6 ^h , 8 ^h , G. M. T.	23 ^h , 5 ^h , G. M. T.	20 ^h , 23 ^h , 2 ^h , 5 ^h , G. M. T.	
			Before July 8, 1851.	After July 8, 1851.
January, . . .	-0.68	+0.06	-1.01	-1.10
February, . . .	-0.36	+0.77	-0.05	-0.06
March, . . .	-0.46	+1.82	+0.99	+1.07
April, . . .	+0.57	+3.09	+3.01	+3.27
May, . . .	-0.10	+1.40	+2.90	+3.15
June, . . .	+0.72	+3.19	+3.53	+3.84
July, . . .	+0.65	+3.21	+3.61	+3.92
August, . . .	+0.61	+3.06	+3.30	+3.58
September, . .	+1.39	+4.19	+3.45	+3.75
October, . . .	+0.89	+3.84	+1.98	+2.15
November, . .	+0.53	+2.73	+0.77	+0.84
December, . .	-0.47	+0.75	-0.05	-0.06

If the corrections recorded in this Table be applied to the observations, we obtain the monthly means as follows:—

TABLE 8.—Horizontal Force—Monthly Means in Scale Readings.

Month.	1847	1848	1849	1850	1851	1852	1853	1854	1855
January, .	558.69	557.74	568.61	584.75	593.23	610.54	626.35	638.21	652.35
February, .	556.10	556.59	571.19	584.63	593.77	612.04	626.11	637.95	651.01
March, .	557.82	559.83	571.36	582.46	597.93	610.26	625.50	640.12	640.77
April, .	557.26	562.23	574.56	587.58	601.95	615.57	629.26	.....	651.10
May, .	557.44	567.03	580.20	589.45	600.52	618.03	631.73	.....	651.50
June, .	562.63	568.98	586.84	591.21	603.63	620.99	631.86	.....	653.02
July, .	560.34	568.88	584.10	590.13	*610.56	619.64	632.55	.....	649.29
August, .	559.37	567.49	580.87	589.22	607.90	619.31	634.20	.....	.....
September, .	558.19	564.29	578.85	588.27	600.13	618.56	630.90	647.32	.....
October, .	551.71	568.35	578.04	588.46	602.40	618.41	635.56	659.05	653.29
November, .	556.17	566.85	581.23	592.88	611.17	620.53	637.42	.....	657.04
December, .	563.65	566.72	584.78	595.63	611.78	623.68	638.77	628.41	662.06

* After June 1851 the new value of the scale reading commences (see Introduction, page xiv.)

If we obtain the mean scale reading for each year by taking the mean of the months in the above Table, and if we then reduce these yearly means to parts of force and compare consecutive years together, we shall obtain values for the apparent secular change of horizontal force—apparent only, because the lengthening of the thread and loss of magnetism of the magnet will cause gradual change in the

readings, which cannot be separated from that due to secular increase of horizontal force alone.

The following Table exhibits the values of apparent secular change thus obtained, making use of the whole series of years :—

TABLE 9.—Apparent Secular Increase of Horizontal Force.

Difference between the mean of			Parts of Force.
1842	and	1843	·003470
1843		1844	·003885
1844		1845	·001435
1845		1846	·001285
1846		1847	·001243
1847		1848	·000852
1848		1849	·001863
1849		1850	·001394
1850		1851	·001335
1851		1852	·001268
1852		1853	·001787
1853		1854	·001339
1854		1855	·001136

The first two values in the above Table are probably erroneous, and the mean of the other eleven gives ·001358, which we may consider to represent the apparent mean yearly increase of horizontal force. While, however, this amount only approximately represents the secular change of horizontal force, it represents actually the mean secular change that takes place year by year upon the readings of the bifilar from a combination of causes, and which must be eliminated from these readings in order that we may obtain the annual variation. This has accordingly been done, and the annual variation of horizontal force so obtained is exhibited in the following Table :—

TABLE 10.—Horizontal Force—Annual Variation for the Different Hours in Parts of Force.

Gött. M. T.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
0	-00	-00	-00	-00	-00	-00	-00	-00	-00	-00	-00	-00
1	+084	+067	-022	-091	-038	+002	-012	-041	-062	-031	+040	+105
2	+042	+039	-030	-078	-022	+029	+011	-023	-033	-039	+036	+067
3	+016	+012	-017	-021	+003	+039	+014	+015	-007	-051	-016	+013
4	-023	-016	-028	-043	-002	+067	+056	+034	-016	-030	-003	+006
5	-057	-037	-011	-014	+037	+058	+086	+036	-008	-037	-038	-015
6	-070	-053	-025	+040	+099	+094	+086	+033	-024	-060	-077	-044
7	-087	-089	-048	+023	+107	+082	+114	+071	-018	-076	-040	-041
8	-100	-089	-061	+033	+097	+098	+126	+061	-039	-074	-038	-015
9	-080	-068	-014	+013	+098	+111	+104	+061	-043	-092	-066	-024
10	-077	-057	-039	-007	+063	+098	+096	+052	-019	-032	-040	-038
11	-040	-032	-016	-002	+035	+080	+074	+021	-041	-028	-033	-019
12	-067	-065	-057	+010	+032	+086	+061	+047	+006	-011	-021	-023
13	-059	-050	-022	-011	+019	+062	+062	+029	+014	-017	-019	-009
14	-056	-023	-030	-042	+006	+066	+060	+034	-008	-005	+005	-006
15	-051	-029	-078	-033	+006	+058	+053	+017	+012	+008	+021	+016
16	-074	-024	-071	-078	+009	+065	+058	+022	-001	+021	+038	+035
17	-027	-036	-049	-056	-016	+042	+033	+009	-001	+031	+041	+028
18	-009	-028	-055	-031	+029	+014	+008	-003	+029	+029	+051	+051
19	+033	+011	-018	-012	-038	-024	-025	-048	-023	+015	+054	+075
20	+018	+006	-016	-045	-040	-016	-014	-039	-026	+012	+076	+084
21	+093	+050	+033	-011	-051	-033	-049	-078	-097	-012	+064	+092
22	+075	+069	-022	-079	-065	-024	-025	-089	-061	+002	+094	+127
23	+121	+093	+002	-072	-053	-039	-045	-105	-097	-025	+068	+153
23	+105	+060	-017	-054	-027	-005	-039	-046	-103	-050	+052	+122

The years that were made use of in order to obtain each hour's variation, as represented in Table 10, are those exhibited in Table 5, with the exception of the year 1843, which it was thought advisable to leave out.

The following Table exhibits the annual range for the different hours as deduced from Table 10:—

TABLE 11.—Horizontal Force—Annual Range for the Different Hours in Parts of Force.

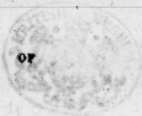
Hour G. M. T. }	0	1	2	3	4	5	6	7	8	9	10	11
Range,	196	145	090	110	143	176	203	226	203	175	121	153
Hour G. M. T. }	12	13	14	15	16	17	18	19	20	21	22	23
Range,	121	122	136	145	098	106	123	129	190	216	258	225

From this Table we deduce a conclusion similar to that derived from Table 6, viz., that for horizontal force, as well as for declination, the ranges of the annual variation are greater for the hours of the day than for the hours of the night. We

may also derive results from Table 10 similar to those derived from Table 5. It will be observed from the former Table that the months June, July, and August comport themselves in the same manner. From between 17^h and 18^h, to about 0^h Göttingen mean time, viz., from between 4 A.M. and 5 A.M. to about 11 A.M. Makerstoun mean time, they are affected with a negative sign, or have a less than average horizontal force, while for the remaining hours they are affected with a positive sign, or have a greater than average horizontal force. Nearly the opposite happens with the two months November and December. From about 13^h to 1^h Göttingen mean time, viz., from about midnight to noon Makerstoun mean time, they are affected with a positive sign, or have a greater than average horizontal force; while during the remainder of the day they are affected with a negative sign, and have a less than average horizontal force. If from Table 10 we deduce the annual variation for the mean of the day, that is to say for the mean of all the hours, we shall obtain a result similar to that deduced by Mr BROWN from part of the series of years used in Table 10, viz., that the horizontal force is a maximum at the solstices and a minimum at the equinoxes.

EECI

DAILY OBSERVATIONS



MAGNETOMETERS.

MAKERSTOUN OBSERVATORY,

1847-1855.

2 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1847.

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bifilar and Balance.	
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.
Civil Day.																	
Jan. 1	61-78	563-9	237-2	62-69	560-0	240-5	65-11	563-9	238-1	.....	.....	.....	62-23	564-3	259-0	42-1	.....
2	60-98	563-3	252-2	65-38	558-5	260-8	69-02	557-6	276-7	.....	.....	.....	61-72	560-8	283-1	41-1	.....
4	62-35	565-3	270-5	.....	.....	.....	65-62	557-9	286-7	.....	.....	.....	62-42	561-5	296-0	35-4	.....
5	66-50	567-9	252-4	.....	.....	.....	66-53	553-1	279-3	.....	.....	.....	63-11	562-6	274-9	37-9	.....
6	62-55	561-4	261-2	63-57	558-4	257-1	67-60	557-1	258-3	62-94	556-2	283-4	61-79	561-0	263-1	41-3	42-9
7	62-28	560-1	246-5	62-62	554-7	252-2	65-99	554-8	254-0	63-04	560-2	258-8	59-07	559-7	266-4	43-3	43-0
8	62-28	564-0	248-2	63-14	557-5	253-0	65-85	555-8	252-6	64-05	558-8	259-0	61-25	559-8	259-3	42-4	42-4
9	60-60	572-7	236-0	63-97	555-1	259-7	64-71	560-4	253-9	64-98	563-5	268-1	64-89	558-9	284-4	39-8	38-2
11	61-70	557-5	278-2	64-35	558-5	282-3	65-82	556-7	284-6	65-90	555-6	306-3	62-99	558-4	297-0	30-5	30-0
12	61-01	558-1	281-8	62-75	555-7	271-1	71-66	552-9	277-9	66-56	557-7	285-0	62-35	538-8	281-0	25-6	24-9
13	62-86	557-7	278-2	65-15	556-2	273-0	67-64	559-5	271-6	62-35	560-7	284-1	59-29	559-1	285-7	24-1	26-9
14	63-94	552-0	274-0	64-48	558-9	276-2	64-64	558-0	277-1	61-81	560-1	283-4	62-62	567-5	272-7	26-9	29-7
15	61-76	562-4	242-0	61-98	557-2	255-0	64-81	561-7	247-5	63-57	560-3	230-0	62-19	561-7	230-2	33-5	37-0
16	61-36	562-6	233-1	62-82	554-1	243-9	66-73	557-2	251-1	64-31	561-5	244-9	63-23	560-6	242-7	35-5	36-2
18	61-75	561-1	244-4	62-86	559-1	249-4	64-08	559-8	254-3	62-99	561-6	249-8	62-48	562-2	245-7	33-2	33-8
19	61-68	561-7	239-9	62-86	557-1	236-5	63-57	560-4	248-2	63-52	562-1	247-4	63-09	561-6	242-7	33-7	34-0
20	61-51	570-1	231-7	64-10	561-2	229-6	68-29	564-8	249-9	63-63	560-7	262-3	62-12	560-3	258-9	33-5	33-3
21	63-65	566-5	233-0	65-55	549-4	235-9	65-58	560-1	250-6	63-63	556-8	298-0	61-88	550-3	271-8	32-2	32-9
22	62-77	559-1	248-3	65-82	552-6	251-2	69-19	554-5	254-1	62-96	562-2	258-3	62-20	558-0	251-5	32-8	34-0
23	62-67	559-2	235-4	65-38	556-7	241-3	64-84	560-2	246-5	63-09	560-0	243-5	62-35	561-9	244-9	34-8	35-4
25	62-10	561-0	228-2	65-05	556-2	237-0	63-02	560-8	239-9	63-16	559-7	230-5	61-75	563-8	227-8	37-7	38-6
26	61-52	562-1	217-7	63-09	557-9	219-4	64-59	561-3	198-1	63-37	561-8	209-6	62-35	564-1	219-4	39-4	42-5
27	62-01	559-6	224-8	63-77	562-3	229-0	64-98	561-8	222-0	63-32	557-6	227-8	62-19	563-2	229-7	40-6	42-1
28	61-14	559-6	228-5	61-98	561-2	228-5	64-05	557-4	228-5	64-10	558-8	235-9	62-28	564-0	232-0	40-5	40-4
29	63-99	558-0	226-6	65-08	558-0	226-1	72-40	560-3	255-1	69-77	558-4	282-8	77-19	560-1	318-8	38-5	39-5
30	62-93	553-1	251-7	63-70	555-5	249-4	66-32	554-0	255-6	55-87	567-8	298-8	66-06	542-9	492-7	38-9	39-2
Feb. 1	65-11	548-6	277-0	68-45	542-7	303-2	65-80	548-7	290-5	62-82	556-8	304-7	62-12	555-6	272-5	34-5	37-5
2	61-36	553-8	272-4	64-31	545-6	275-3	65-03	555-9	283-9	62-13	554-8	279-8	60-98	555-0	268-8	35-1	36-4
3	61-14	558-8	268-2	63-60	545-8	272-5	66-41	551-9	280-6	63-77	559-0	278-7	62-26	559-0	271-0	34-4	35-3
4	64-37	555-8	277-5	64-51	542-8	281-6	66-39	556-9	281-4	62-42	558-1	285-8	62-42	561-3	266-6	31-2	33-1
5	61-68	560-1	268-6	62-94	554-1	259-4	64-82	558-1	261-3	62-82	563-2	251-0	62-72	562-6	240-7	31-8	36-8
6	60-01	569-9	227-6	71-34	551-7	218-8	75-58	553-9	249-9	66-39	560-4	377-8	61-61	560-0	337-0	38-3	40-9
8	62-87	551-9	290-8	63-74	551-7	281-7	69-64	559-0	289-9	64-69	566-7	296-8	62-96	555-9	304-2	28-2	30-2
9	60-40	544-1	258-0	63-13	549-6	264-3	68-79	555-5	276-7	65-92	561-8	302-1	59-98	554-1	297-9	27-2	28-9
10	61-83	556-8	260-1	64-41	558-4	260-0	67-71	560-3	260-7	64-98	562-2	270-4	63-99	560-7	266-3	30-8	33-4
11	60-10	559-7	252-8	62-25	552-7	252-3	69-33	559-4	259-7	64-55	558-5	272-1	61-99	560-5	257-7	33-3	36-4
12	60-40	559-4	253-4	62-89	556-1	251-1	68-05	555-2	261-5	66-56	558-2	271-5	63-30	562-4	262-2	33-9	35-7
13	61-27	557-0	266-3	62-35	555-7	270-8	65-05	556-3	266-9	63-41	556-8	264-3	62-45	561-0	259-3	30-1	32-6
15	60-67	558-2	249-5	63-35	560-4	248-9	63-63	561-7	263-6	62-26	561-1	271-4	62-05	564-3	263-3	39-2	39-0
16	61-56	563-6	243-3	68-52	555-5	259-3	66-77	555-3	282-7	58-96	562-2	295-6	61-29	559-7	263-2	38-5	41-9
17	59-76	558-8	254-8	63-58	552-4	260-8	66-16	561-9	266-4	62-70	557-0	281-4	56-57	560-6	261-5	41-1	42-2
18	61-34	559-3	251-9	64-79	557-2	248-9	67-32	562-9	253-8	66-88	566-8	283-8	60-85	565-8	272-0	45-9	47-6
19	61-68	560-1	253-5	66-81	555-0	249-6	65-09	559-6	270-1	62-82	559-9	268-8	61-88	562-8	261-0	43-3	43-3
20	61-11	559-2	257-6	66-77	552-2	251-5	66-43	558-9	264-6	63-27	560-5	257-3	60-38	563-2	257-6	40-7	42-4
22	60-91	556-5	273-3	68-16	547-6	246-9	73-16	555-4	293-4	71-74	550-3	346-7	60-37	558-3	320-5	42-2	46-3
23	60-15	545-8	256-8	64-78	547-0	271-2	65-72	553-2	291-1	63-18	554-7	294-8	63-72	557-3	292-3	43-5	42-5
24	59-79	560-5	279-6	63-67	552-0	279-0	73-32	561-2	297-1	60-37	553-1	357-0	32-15	547-8	354-1	37-9	39-1
25	61-38	544-2	234-8	63-50	548-3	280-9	66-90	560-2	276-1	67-62	556-5	334-1	55-17	545-7	300-8	34-8	37-2
26	62-50	547-0	210-3	67-15	543-8	276-9	68-55	562-0	289-3	60-57	554-8	295-6	48-03	558-3	269-8	36-3	37-9
27	61-04	550-0	269-1	64-19	549-2	266-6	68-25	558-8	272-7	62-64	561-8	300-2	62-45	558-9	270-3	35-9	38-9

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bifilar and Balance.	
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.
Civil Day.																	
Mar. 1	60-17	555-9	240-1	62-08	561-7	249-6	74-40	590-1	231-3	71-42	620-1	495-1	92-19	673-3	819-5	38-2	39-9
2	61-43	565-1	292-7	63-77	538-9	294-4	66-91	553-8	316-4	63-23	556-8	298-3	62-45	556-2	284-5	39-4	41-1
3	60-13	556-2	277-5	62-53	543-6	285-6	67-60	558-5	275-2	63-23	561-6	272-7	61-95	562-0	264-7	40-8	42-5
4	59-66	557-7	275-4	61-72	544-4	281-0	67-04	553-9	277-6	64-17	558-5	295-6	62-28	559-0	319-3	40-1	41-1
5	60-27	565-3	249-5	61-98	542-8	269-1	67-07	557-4	273-8	64-58	558-6	272-0	50-56	571-0	275-7	40-8	42-9
6	59-86	560-8	255-5	61-86	552-0	266-9	67-74	559-4	263-5	65-06	559-1	261-3	62-97	569-1	255-7	41-0	42-6
8	66-53	543-4	247-9	67-22	544-9	257-5	68-29	556-2	270-7	66-53	566-8	289-8	62-66	570-8	290-3	42-0	44-3
9	57-02	553-6	229-1	68-18	535-9	254-9	74-68	554-4	293-3	66-12	561-5	325-7	62-01	561-3	294-1	40-6	40-7
10	60-13	555-7	286-1	61-83	550-0	275-8	70-40	552-5	267-8	64-73	559-6	289-4	58-42	550-0	307-7	35-6	38-5
11	59-86	551-0	289-5	63-43	546-6	292-3	69-22	556-3	277-2	65-45	557-9	292-7	62-35	563-0	275-3	31-9	34-2
12	59-71	559-8	268-5	61-75	548-4	269-2	68-68	554-4	262-6	63-97	564-9	259-1	63-18	568-7	250-2	34-6	38-3
13	56-16	565-5	232-6	62-84	551-2	247-1	72-28	561-0	224-0	66-19	566-8	266-6	61-98	567-7	274-2	38-5	44-0
15	59-03	560-3	247-6	62-19	554-4	247-7	71-10	561-4	228-2	65-08	560-4	261-4	62-48	558-5	264-2	42-5	46-5
16	58-92	557-5	263-1	60-98	542-1	254-7	70-33	549-8	237-9	64-37	561-9	242-4	54-86	561-6	259-0	45-1	51-0
17	59-09	562-3	249-9	60-60	542-6	264-6	70-98	548-3	240-3	65-49	562-4	251-9	61-70	570-9	235-9	50-7	52-2
18	59-46	564-1	219-3	63-40	549-0	244-0	71-95	557-1	233-5	64-64	565-8	251-0	60-03	565-8	280-8	50-6	55-3
19	63-81	562-3	202-9	67-40	531-9	267-3	76-45	563-8	347-4	58-40	648-2	541-3	71-21	577-5	641-1	49-5	51-9
20	58-08	535-3	200-3	64-41	542-6	272-5	67-34	559-2	252-4	65-15	557-2	254-0	63-74	561-4	243-5	48-9	51-0
22	60-33	546-2	274-3	61-45	534-1	282-9	69-29	546-2	241-2	64-31	555-5	250-6	62-91	559-2	254-8	46-1	50-5
23	58-58	548-5	289-7	66-86	538-7	261-4	69-91	545-4	248-8	63-20	554-7	290-4	62-94	565-2	272-0	47-1	47-6
25	62-79	551-1	257-9	62-73	540-6	254-5	68-18	553-6	246-2	60-33	558-9	284-4	59-06	558-6	281-7	43-2	44-5
26	60-67	549-2	274-0	63-63	544-4	250-3	69-42	557-0	256-8	63-70	558-9	289-8	53-54	560-6	282-7	42-4	44-1
27	57-98	553-8	259-3	60-74	541-8	261-3	66-90	556-2	246-5	69-80	566-0	260-4	62-69	561-2	254-3	.....	.....
29	58-70	557-2	288-2	60-91	544-7	276-9	68-95	562-6	255-7	63-23	560-1	268-9	61-43	565-2	258-1	39-8	42-7
30	57-21	558-6	261-1	66-88	538-3	269-0	71-72	565-2	264-8	64-37	555-5	276-1	60-60	565-1	277-4	38-8	41-2
31	57-08	558-6	269-2	62-66	542-3	264-2	69-19	555-5	247-1	63-13	559-2	262-5	61-14	564-6	263-2	37-9	40-4
Apr. 1	57-71	558-4	267-5	61-45	543-1	261-2	70-65	547-8	251-1	63-70	565-4	248-3	61-96	565-0	262-1	37-8	41-4
2	57-39	556-3	260-8	62-28	539-8	253-3	70-41	552-8	232-9	63-97	564-6	250-6	62-28	574-5	245-0	37-8	39-4
3	56-23	558-3	253-7	63-74	527-9	249-1	79-79	567-7	264-1	70-06	589-9	276-6	50-48	547-6	346-4	36-8	40-6
5	58-50	556-8	235-6	61-61	540-9	249-6	71-66	563-0	223-6	63-74	567-9	266-4	53-61	561-6	294-1	42-9	47-2
6	55-49	549-2	278-2	61-39	535-2	233-8	71-27	555-9	273-2	59-01	562-0	265-9	62-12	566-1	252-5	43-7	47-1
7	57-78	555-3	245-8	64-08	534-7	252-2	71-51	554-2	224-0	67-20	573-7	251-0	54-39	586-6	321-7	46-5	50-3
8	77-96	471-8	297-7	74-51	552-6	257-8	70-30	543-0	253-5	61-36	549-2	274-8	60-62	564-6	270-8	47-4	50-4
9	56-92	539-3	266-1	63-27	536-9	284-8	69-96	551-6	271-3	63-06	567-4	289-0	55-78	578-9	277-3	44-0	47-6
10	58-85	546-6	286-7	62-87	548-7	270-5	68-55	551-3	262-5	62-22	562-3	267-9	61-27	564-5	263-5	43-4	47-6
12	56-54	552-0	271-0	61-14	544-6	255-7	67-45	555-8	238-7	63-77	578-3	247-7	63-92	581-3	244-3	48-6	50-9
13	55-70	553-5	271-5	61-68	541-3	274-7	68-21	555-8	259-2	62-22	559-7	261-9	61-14	571-2	257-9	44-5	44-7
14	56-00	552-2	268-5	64-02	540-9	288-0	70-06	557-6	255-4	65-15	570-9	286-9	62-22	561-8	340-2	41-6	42-4
15	56-92	548-1	265-5	65-05	533-9	273-2	69-74	536-6	266-5	64-51	564-4	282-7	60-67	565-2	280-7	40-3	42-3
16	53-64	548-3	254-6	65-83	545-8	258-0	69-62	547-4	238-0	64-07	568-7	246-4	60-15	568-9	252-5	41-4	44-6
17	57-51	547-7	226-2	66-06	546-8	232-6	73-86	576-4	295-5	64-53	564-0	256-7	60-57	557-5	258-3	42-5	43-1
19	56-27	550-8	282-2	62-26	536-6	261-0	68-03	556-3	235-5	62-66	568-4	243-5	61-99	575-8	241-0	42-2	46-6
20	68-25	514-9	269-8	71-62	506-4	253-0	73-83	549-3	432-3	78-16	638-1	590-6	58-29	555-6	474-1	43-8	49-5
21	58-32	547-9	278-3	64-39	545-4	250-6	69-19	582-8	531-7	70-94	602-9	514-0	61-78	550-4	358-2	44-9	51-0
22	59-50	545-4	288-0	64-86	541-1	276-1	69-19	556-7	275-5	57-73	579-3	301-8	57-10	573-5	300-8	46-7	51-9
23	58-65	550-0	277-8	62-48	542-2	276-5	66-54	555-7	256-6	62-91	566-5	274-2	58-80	563-2	279-4	47-4	53-2
24	58-13	546-7	285-3	61-66	545-9	282-5	67-07	547-6	268-6	63-02	560-6	269-2	61-22	565-1	271-1	47-3	50-6
26	55-29	553-5	263-4	60-84	549-7	243-3	66-64	562-2	240-0	62-23	567-8	247-8	61-25	571-4	257-8	49-1	51-0
27	57-48	560-4	262-9	65-52	550-8	248-1	69-69	561-7	248-1	65-55	574-1	276-8	63-16	569-4	302-4	48-0	50-6
28	57-19	553-6	294-1	64-21	550-8	281-2	67-42	554-8	286-3	70-40	586-2	287-7	62-57	570-8	303-1	46-7	50-2
29	54-32	550-8	256-6	65-67	534-9	241-8	67-20	562-1	243-8	62-32	567-4	276-9	57-79	571-2	295-8	47-1	51-6
30	58-55	521-3	265-9	64-88	532-1	256-7	67-76	569-9	350-4	67-00	572-3	289-4	58-67	572-7	299-2	48-3	50-3

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bifilar and Balance.	
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.
May 1	56-82	se. div. 543-1	mic. div. 272-2	63-14	se. div. 542-7	mic. div. 256-9	69-96	se. div. 565-8	mic. div. 256-6	64-64	se. div. 571-1	mic. div. 276-2	62-42	se. div. 572-4	mic. div. 263-5	45-3	49-5
3	56-43	551-7	274-6	62-72	544-7	251-6	73-02	560-1	253-9	66-12	569-4	275-5	60-60	568-7	285-4	45-3	47-0
4	55-04	552-8	276-8	62-48	533-7	269-3	71-59	553-7	249-4	63-97	572-8	247-9	59-86	568-8	266-3	45-5	50-9
5	56-35	551-6	270-0	60-77	538-1	257-1	69-06	552-1	240-4	64-10	570-0	256-4	59-93	573-7	258-8	47-9	50-5
6	51-56	559-6	266-8	58-72	545-1	235-3	68-21	548-7	224-8	64-98	563-2	247-3	59-53	571-6	258-0	47-5	50-1
7	54-62	557-7	260-7	59-81	552-8	245-9	67-04	558-8	222-7	65-35	564-3	235-6	60-60	571-9	261-1	46-8	53-3
8	85-63	490-3	-31-1	67-65	500-6	235-8	63-27	567-7	423-7	62-32	562-1	494-2	65-76	553-0	325-7	50-3	50-1
10	62-39	528-7	259-1	64-79	549-5	235-2	68-01	.....	241-2	62-73	.....	263-8	59-88	568-2	273-6	50-1	56-4
11	54-55	550-4	270-6	62-15	538-6	260-0	66-48	552-1	257-2	60-84	566-7	270-2	61-65	566-4	270-2	51-6	52-8
12	55-56	548-2	296-5	62-62	564-9	264-4	65-11	558-9	249-8	60-53	570-7	259-6	59-17	569-8	263-5	49-2	56-3
13	53-54	545-6	264-2	56-63	541-1	239-0	69-06	559-3	242-9	60-06	574-5	238-5	58-90	569-9	247-1	53-3	58-9
14	54-95	546-5	272-2	62-57	542-7	249-4	66-97	556-3	241-9	60-74	570-6	253-1	59-46	579-4	248-7	54-8	58-9
15	51-72	552-9	264-2	68-82	543-0	210-1	79-28	554-2	244-4	69-03	576-0	295-3	53-17	596-4	394-4	55-2	58-8
17	54-48	537-3	293-6	58-15	533-3	284-8	65-62	551-1	302-7	65-08	578-4	373-4	61-58	574-6	354-3	46-5	47-1
18	57-26	536-3	274-6	62-48	532-9	275-7	67-67	549-5	267-4	65-65	576-3	313-4	60-50	566-4	296-0	45-5	46-8
19	57-61	541-1	271-9	65-25	539-4	242-9	67-64	559-8	240-3	61-34	565-6	260-9	60-77	566-9	256-3	46-1	54-1
20	54-28	543-7	250-5	63-09	537-1	229-7	65-42	553-8	237-8	59-39	566-6	308-1	58-38	582-9	305-2	52-8	57-9
21	55-70	548-8	277-0	60-87	536-1	267-6	65-15	553-1	258-5	60-06	564-1	279-3	54-84	565-3	272-4	52-9	56-6
22	53-74	544-1	275-6	58-87	546-0	262-6	63-97	560-3	262-9	60-53	567-9	269-8	58-92	563-8	277-7	53-4	54-4
24	53-74	555-3	270-4	59-66	544-4	248-1	65-05	583-1	243-6	60-60	564-9	246-9	60-10	568-3	255-3	56-1	60-4
25	52-44	558-7	249-9	58-42	550-0	230-5	65-32	559-4	232-5	61-41	567-6	248-7	60-45	574-8	252-8	55-9	57-9
26	54-35	555-7	238-5	63-90	550-5	231-2	70-43	564-6	233-8	66-53	568-4	284-0	60-00	574-7	284-9	54-7	58-0
27	53-27	556-5	288-2	58-67	549-8	246-0	66-46	562-0	241-8	61-07	564-6	246-2	60-72	592-7	253-2	54-3	62-0
28	51-29	552-3	255-6	61-81	537-8	248-5	68-61	556-9	253-6	60-25	575-5	269-0	59-86	571-6	280-9	58-8	67-3
29	67-31	512-8	241-9	61-72	546-9	233-0	67-51	563-3	256-4	62-60	574-7	359-1	62-25	567-6	264-0	63-3	64-2
31	52-80	555-2	292-1	59-50	545-0	271-0	65-63	555-9	251-9	61-72	587-5	267-7	61-39	574-1	278-0	58-4	67-0
June 1	54-70	551-6	295-0	61-34	543-9	233-9	69-59	564-0	226-1	66-83	577-7	267-7	58-69	572-5	328-8	63-6	71-1
2	56-43	544-6	287-9	61-73	535-9	259-0	65-92	558-4	254-1	62-62	569-5	259-7	59-43	572-6	279-7	65-6	71-7
3	55-31	554-9	285-9	62-96	544-2	259-9	65-65	549-8	248-7	62-32	565-0	249-4	61-05	573-2	266-6	66-2	72-6
4	55-89	551-0	287-3	60-03	538-0	272-0	66-06	553-1	265-0	61-75	561-8	309-3	60-35	569-1	310-9	67-1	65-1
5	55-19	559-3	318-5	60-77	553-7	274-6	63-50	558-0	272-8	63-02	569-8	288-1	60-37	574-2	284-8	59-1	60-9
7	51-76	563-1	271-1	58-08	556-1	267-7	64-31	560-2	270-9	62-72	571-5	298-4	61-01	574-7	294-2	54-5	57-5
8	58-42	553-3	227-8	62-69	548-3	233-0	66-93	558-3	235-8	64-04	560-0	269-7	60-67	576-3	282-9	54-4	56-2
9	56-81	555-6	281-5	62-86	549-7	280-4	65-52	562-4	265-4	61-24	562-6	275-8	61-18	582-3	279-0	52-2	56-9
10	53-17	558-5	280-0	61-86	553-5	253-6	70-56	546-5	262-7	64-88	606-9	360-2	63-06	573-6	294-1	54-9	57-7
11	63-40	533-2	221-4	61-51	540-2	224-1	65-99	561-6	249-7	60-00	588-3	274-3	57-78	581-8	287-3	53-4	57-4
12	49-95	544-3	256-8	60-67	548-3	225-5	67-25	560-7	207-0	65-36	570-7	234-1	61-76	589-8	243-1	53-2	57-2
14	61-07	549-6	179-1	57-17	537-2	219-3	65-32	567-6	262-9	66-29	610-3	330-0	61-76	586-9	277-6	57-0	59-8
15	55-26	547-3	246-8	60-06	535-0	250-2	65-82	562-2	241-9	65-32	566-7	247-8	60-77	569-2	258-3	56-4	58-6
16	52-73	552-4	261-0	59-19	548-7	196-3	64-28	551-7	217-4	62-75	568-3	241-6	59-71	583-2	240-0	54-8	60-1
17	49-14	545-5	250-9	58-72	546-3	236-4	67-13	555-2	235-7	62-37	570-7	252-1	58-25	574-4	253-7	57-1	56-7
18	51-03	556-0	238-2	59-12	548-1	240-9	67-05	556-6	246-2	64-51	573-6	246-8	58-79	589-6	258-2	53-9	55-9
19	50-65	553-1	228-8	55-60	548-8	243-4	61-81	559-4	239-9	61-54	565-3	242-3	59-37	570-9	234-1	55-9	57-9
21	52-10	555-8	233-1	.....	.....	.....	67-84	560-1	190-5	66-17	573-1	211-9	60-17	585-4	204-4	59-2	63-2
22	55-10	562-3	240-1	61-68	542-6	246-6	68-68	555-2	258-0	65-79	565-2	254-9	59-24	571-0	249-8	57-2	58-8
23	53-14	560-1	265-6	56-63	545-4	260-7	64-96	577-2	222-5	62-82	566-7	246-3	59-19	570-4	233-9	55-7	60-7
24	56-03	554-2	252-1	56-37	551-2	228-5	65-36	549-1	225-9	62-25	566-2	222-8	59-76	573-1	223-9	58-9	62-1
25	54-35	558-7	226-5	59-46	549-2	236-8	63-77	558-9	217-8	60-37	570-0	220-1	60-87	570-7	235-0	58-9	60-9
26	52-91	556-4	250-5	63-21	542-8	229-4	66-68	563-1	207-4	61-65	574-4	231-5	58-79	576-7	212-6	57-7	62-7
28	53-67	584-0	264-8	61-31	553-0	240-1	63-94	563-1	229-0	61-88	570-3	230-7	59-37	581-3	251-8	65-5	71-0
29	52-84	550-5	245-0	60-64	544-6	218-5	65-80	567-2	232-1	62-93	585-8	226-9	60-17	573-6	234-3	67-6	72-0
30	53-67	551-1	244-4	60-67	549-5	231-6	64-75	567-1	217-8	60-67	571-4	237-7	61-58	577-3	222-9	67-6	70-7

DAILY OBSERVATIONS OF MAGNETOMETERS DURING JULY AND AUGUST, 1847.

5

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bifilar and Balance.	
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.
Civil Day.																	
July 1	54.79	545.0	229.6	61.73	538.9	269.9	67.47	573.0	262.7	63.58	571.9	278.1	59.98	571.8	255.4	65.4	66.7
2	51.93	553.3	280.8	56.50	540.5	243.8	66.19	557.4	238.0	63.87	579.0	258.1	60.45	575.9	256.7	62.7	65.2
3	54.55	551.1	283.4	63.27	546.2	267.4	65.42	569.5	247.5	61.98	566.9	247.8	60.42	581.5	244.7	60.2	67.8
5	53.95	550.7	259.6	61.39	543.3	254.0	62.72	567.0	235.1	60.82	562.7	239.3	60.65	571.8	243.1	63.8	68.6
6	52.26	557.3	249.6	60.72	552.0	245.8	65.42	553.5	231.6	61.81	579.1	248.4	62.50	587.3	241.4	65.4	69.3
7	50.56	557.3	244.6	65.72	534.6	230.8	65.06	557.0	231.3	62.72	565.7	287.9	61.70	578.6	256.4	67.0	66.5
8	54.75	552.6	241.4	59.51	545.3	229.9	69.12	554.7	257.1	61.27	563.7	250.6	59.34	572.1	248.8	61.9	67.5
9	55.09	551.5	260.1	57.93	553.9	245.7	62.40	555.9	240.2	61.05	584.7	240.4	55.09	588.5	297.5	62.5	67.5
10	57.78	534.1	112.1	60.99	539.6	264.9	66.66	568.6	232.8	68.14	569.3	260.5	58.43	582.5	288.5	64.4	69.1
12	58.05	536.4	246.3	59.83	542.3	247.5	66.66	552.5	236.1	62.28	580.3	249.0	61.68	572.1	254.4	67.9	72.6
13	59.30	543.0	241.2	58.89	527.6	234.5	68.65	555.5	243.2	64.41	571.4	233.6	57.76	572.7	263.4	69.0	73.5
14	52.48	548.6	259.1	56.97	533.1	253.7	64.78	555.3	232.9	60.98	576.1	219.0	59.79	573.9	252.2	68.4	74.7
15	53.14	543.3	274.7	59.97	532.6	228.2	69.44	553.2	234.6	63.37	570.5	249.1	59.12	565.8	257.9	72.0	74.9
16	51.10	546.5	287.2	59.73	532.8	267.0	68.73	549.5	249.5	64.10	567.9	271.8	59.93	573.1	279.7	67.1	64.0
17	54.08	551.8	315.0	60.24	536.6	247.5	69.66	543.3	234.5	62.40	567.5	265.5	59.07	572.4	251.9	59.4	64.9
19	53.24	548.4	252.8	60.71	539.7	222.8	66.27	559.8	211.7	62.96	568.8	221.5	59.71	578.7	229.7	64.0	69.6
20	52.70	550.6	256.2	62.48	537.6	238.8	66.64	559.5	236.6	61.51	566.0	244.5	59.50	570.7	235.3	65.2	66.3
21	53.88	556.1	258.9	61.48	548.6	241.3	66.73	564.4	226.8	61.38	565.4	238.9	60.27	571.6	236.2	62.8	66.4
22	57.89	554.7	237.6	61.85	552.3	256.0	64.48	571.7	257.0	63.37	571.3	260.9	60.13	577.6	242.1	64.4	66.7
23	53.41	551.9	214.5	61.21	543.6	224.7	67.87	560.0	243.5	63.20	567.2	265.5	61.05	576.0	252.1	60.8	64.2
24	52.92	554.8	251.8	59.76	548.4	233.4	63.77	561.0	219.6	60.80	562.9	221.5	58.85	573.1	228.2	61.1	66.1
26	56.99	553.0	262.1	59.68	545.6	219.4	66.03	557.7	245.5	56.23	600.6	253.4	57.55	578.6	244.2	60.5	66.7
27	55.04	549.5	236.3	62.05	552.2	205.6	66.79	560.4	209.8	60.24	569.9	226.8	59.51	574.2	226.4	63.9	66.9
28	60.92	559.0	208.9	58.13	543.2	228.7	65.08	553.6	224.0	61.01	567.6	240.4	57.81	569.8	240.9	63.5	64.8
29	52.92	551.1	239.4	58.97	549.8	243.8	64.71	565.1	223.0	61.95	575.6	236.1	59.51	565.9	230.9	61.3	67.4
30	56.50	554.6	227.7	65.36	551.4	215.6	65.97	566.5	216.5	61.31	569.9	243.4	59.97	571.6	238.7	64.3	68.6
31	53.74	555.9	231.4	58.56	547.9	222.0	66.26	561.2	219.0	61.27	566.7	243.0	59.41	553.4	229.6	63.7	65.5
Aug. 2	53.61	555.4	239.3	57.17	543.2	231.0	65.74	556.8	212.9	64.04	567.0	219.9	58.33	572.8	227.3	64.8	66.5
3	54.15	542.3	233.3	61.21	555.6	223.0	68.01	553.7	214.7	62.96	567.5	230.2	59.97	576.4	232.6	59.7	63.0
4	54.92	566.6	234.7	58.55	554.4	236.9	69.53	556.4	232.0	62.99	570.3	241.4	59.26	583.3	236.2	58.1	60.5
5	58.65	530.3	139.1	63.35	519.6	204.3	70.06	542.1	243.6	64.81	580.4	248.2	61.21	564.6	263.2	57.6	63.0
6	48.95	541.3	218.7	58.69	539.7	229.5	65.29	562.7	215.7	62.48	582.7	227.8	60.40	578.8	255.7	59.7	64.8
7	56.50	541.1	225.7	59.95	541.4	219.5	68.48	564.4	204.9	63.58	563.6	254.3	55.42	576.5	243.0	62.7	63.9
9	54.92	539.9	212.1	61.93	540.1	221.9	69.71	566.8	227.0	60.15	571.4	239.7	58.83	573.3	232.0	57.1	59.7
10	51.91	551.6	245.7	58.92	545.1	238.7	67.37	561.8	223.1	61.75	575.0	237.4	54.46	573.8	248.2	55.4	58.6
11	54.89	543.9	248.1	59.91	546.1	243.3	65.79	561.8	216.3	62.15	568.2	232.6	58.25	570.9	211.0	55.4	61.7
12	53.20	555.4	219.0	60.92	543.5	209.4	68.58	560.0	210.4	60.62	564.4	212.7	57.79	567.4	197.6	62.0	63.9
13	54.38	551.6	226.9	60.96	543.0	226.6	67.91	552.1	207.8	60.94	564.5	212.0	58.76	570.0	200.9	59.3	63.6
14	51.54	554.6	233.6	57.37	547.2	196.4	70.09	572.2	200.2	63.90	583.3	365.3	62.13	573.6	229.1	58.6	64.7
16	56.30	546.3	201.3	62.42	538.5	232.8	69.87	561.7	208.0	63.70	582.0	243.5	60.78	577.7	219.1	56.8	61.5
17	56.81	553.0	220.3	60.50	548.7	196.4	73.19	574.7	189.7	65.45	583.4	211.6	61.56	595.8	211.4	57.4	62.1
18	51.43	553.0	226.7	58.99	537.2	212.4	67.54	555.3	194.2	61.31	566.4	222.6	58.29	583.0	217.6	59.2	60.3
19	51.39	550.6	235.0	58.83	534.8	229.1	68.36	553.1	198.9	60.71	567.1	198.5	57.91	570.8	229.7	56.8	63.7
20	53.05	550.5	226.4	60.53	538.1	206.4	62.45	536.7	194.6	60.47	574.0	212.0	58.05	568.5	213.5	60.7	64.8
21	50.25	550.4	229.8	57.44	537.8	217.6	66.50	563.2	205.8	60.37	566.2	209.9	58.94	581.6	220.0	60.2	60.9
23	56.34	546.6	231.9	59.06	540.3	236.1	67.74	546.5	222.4	60.37	555.3	247.8	56.37	571.8	240.0	51.9	56.4
24	57.34	539.7	236.9	63.84	543.3	197.9	67.87	559.7	207.5	60.33	561.6	249.7	55.49	566.9	249.3	53.2	57.5
25	63.87	535.6	179.9	66.32	539.2	203.9	65.96	576.6	316.9	55.29	618.2	447.2	58.15	558.1	322.6	56.6	59.5
26	56.57	555.5	165.3	64.37	534.8	195.4	68.68	555.4	253.8	58.65	569.2	238.3	57.21	576.1	207.4	57.6	62.7
27	53.54	549.2	225.4	61.34	538.0	210.2	67.20	552.7	184.5	60.77	567.4	201.3	57.68	572.3	219.3	61.3	66.7
28	48.77	539.6	238.4	65.35	534.2	209.6	70.53	560.9	215.1	63.23	570.7	258.1	58.42	569.1	226.0	63.1	66.7
30	51.25	550.7	231.7	59.59	536.1	214.3	68.45	559.2	224.0	59.23	560.7	270.6	56.43	570.7	253.7	58.8	61.0
31	51.59	557.4	253.0	57.71	543.2	247.5	68.52	556.0	240.1	60.27	565.7	239.2	56.16	571.4	228.6	58.3	63.0

6 DAILY OBSERVATIONS OF MAGNETOMETERS DURING SEPTEMBER AND OCTOBER, 1847.

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bifilar and Balance.	
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.
Sept. 1	51-07	553-0	250-6	57-69	538-3	221-9	69-17	551-7	188-6	60-57	571-2	224-6	55-15	566-5	252-1	58-9	59-1
2	50-67	550-8	246-2	58-72	541-3	232-8	68-83	575-9	216-0	61-93	569-4	238-7	58-85	573-8	228-5	55-0	56-8
3	52-28	554-9	257-9	57-31	538-9	240-3	63-72	556-8	211-1	59-36	577-4	231-1	58-79	572-2	220-5	51-4	54-0
4	52-78	548-6	245-6	58-72	541-7	240-4	67-34	575-6	227-2	55-15	576-2	265-3	58-32	572-7	232-3	49-4	52-3
6	52-08	555-0	217-9	59-19	541-6	210-0	66-54	559-3	207-3	59-76	567-3	233-1	56-40	570-9	216-1	49-6	52-6
7	51-46	546-8	207-4	59-79	537-1	231-3	69-02	561-4	196-8	60-44	572-4	214-9	56-77	572-1	214-1	47-2	51-6
8	53-32	556-0	253-6	58-62	541-3	187-2	64-26	558-7	179-5	59-70	567-8	181-2	57-31	573-0	178-7	53-0	56-4
9	52-46	555-2	194-0	59-48	537-2	184-6	70-33	560-6	187-8	52-57	613-1	271-4	55-93	574-0	274-1	55-8	59-1
10	54-35	546-8	215-3	59-98	535-5	192-3	65-53	558-8	187-8	59-66	568-0	189-8	57-98	573-6	176-8	57-3	60-3
11	53-78	550-8	220-3	60-99	543-5	209-8	67-34	557-5	214-8	59-70	566-1	238-1	57-88	568-6	215-9	53-1	54-5
13	60-00	560-0	169-2	68-66	524-0	190-9	74-67	539-9	290-9	62-35	597-4	459-1	55-36	570-0	332-8	52-2	55-5
14	53-86	550-5	241-8	58-65	533-4	241-5	62-32	544-6	232-9	58-89	571-4	220-3	61-09	576-9	224-4	50-1	53-9
15	54-55	550-2	233-7	57-58	535-9	232-3	65-27	552-4	224-2	59-59	567-7	217-5	57-61	568-3	216-5	48-8	52-6
16	50-42	555-6	220-5	56-52	540-4	202-6	68-34	555-6	190-7	60-60	567-0	200-0	58-32	571-9	192-0	51-7	54-5
17	52-57	550-8	209-2	60-18	527-8	221-8	67-08	551-0	220-3	62-28	579-6	261-6	54-55	568-2	248-0	51-9	54-7
18	55-49	553-4	217-8	55-63	533-5	225-3	65-49	545-1	200-5	59-14	562-0	236-5	56-94	570-0	209-7	49-7	52-4
20	53-20	557-3	201-4	58-22	540-4	219-5	64-01	552-2	215-1	57-64	562-5	230-0	55-67	573-0	219-6	47-0	49-5
21	56-90	561-6	199-0	56-70	543-4	223-1	64-19	555-2	202-1	57-48	551-8	212-6	57-24	568-2	201-1	45-7	51-6
22	56-13	560-7	204-9	59-83	544-7	194-3	64-69	557-8	178-0	55-29	559-3	223-0	55-56	572-7	213-5	52-0	58-3
23	57-95	565-5	176-7	58-18	550-3	177-8	61-68	562-9	230-0	59-09	572-1	361-2	56-38	559-7	260-3	57-3	58-7
24	69-89	524-3	26-2	62-53	527-8	171-2	08-62	830-0*	428-3	44-53	655-1	358-4	58-49	526-7	304-1	53-8	58-4
25	53-04	513-2	244-1	54-05	510-0	268-9	61-65	519-5	254-7	60-10	533-3	225-8	58-25	543-8	236-6	55-7	60-1
27	52-23	506-6	121-7	48-80	483-0	237-2	55-89	651-4	511-6	61-24	534-7	460-0	56-23	543-1	260-7	45-7	52-1
28	54-79	530-9	256-0	59-46	517-3	274-3	65-89	528-7	262-8	59-26	543-2	255-8	57-05	554-2	250-7	51-1	57-8
29	57-69	541-8	247-2	56-23	527-1	246-8	64-07	548-2	245-4	64-04	582-8	251-4	52-87	541-1	109-9	50-8	54-7
30	54-95	537-1	193-3	58-85	535-2	244-0	62-48	548-4	228-6	59-97	552-4	229-7	55-19	556-1	236-8	49-8	53-3
Oct. 1	54-68	549-8	228-1	55-49	537-2	235-5	62-20	537-8	228-6	61-24	554-7	226-4	59-93	562-2	221-3	50-3	54-0
2	56-03	554-4	215-2	56-84	541-2	211-1	63-09	550-6	206-4	61-21	555-6	231-7	60-58	563-0	238-7	52-0	51-5
4	53-88	558-6	220-5	54-21	541-5	221-0	63-30	571-7	192-8	59-57	559-0	211-2	57-71	566-1	213-1	49-0	49-4
5	52-71	558-1	220-9	54-23	544-7	210-9	64-55	555-0	196-8	60-17	558-8	217-3	60-33	565-5	243-1	47-2	48-7
6	52-91	556-5	228-2	56-90	542-2	209-7	63-06	542-5	200-6	58-32	559-3	219-3	57-32	564-5	214-8	47-6	49-0
7	53-07	559-0	218-9	55-81	533-6	213-9	64-58	547-0	186-8	58-13	563-8	201-5	56-97	569-0	191-2	49-9	51-4
8	49-68	558-8	203-9	59-39	542-4	184-7	66-30	550-8	174-5	62-01	572-0	204-3	58-22	578-7	229-6	46-9	49-9
9	57-07	562-5	208-6	55-67	537-0	209-4	64-71	552-8	200-9	60-78	569-7	192-1	58-11	572-0	190-5	48-6	53-4
11	48-63	556-0	180-9	55-74	537-3	178-1	66-79	553-5	187-4	58-52	565-2	209-5	51-39	562-0	216-2	55-6	59-5
12	51-70	554-3	221-9	58-40	541-2	197-5	66-63	564-3	197-6	59-46	567-4	210-4	45-17	567-4	209-9	55-8	57-0
13	57-07	557-9	160-3	61-56	527-3	195-9	70-03	531-3	289-6	57-05	559-4	517-3	52-10	559-7	364-6	53-9	52-9
14	53-95	545-6	266-9	57-88	520-4	269-4	69-54	537-9	276-6	60-10	553-1	278-5	55-44	557-5	250-9	49-8	49-7
15	56-27	555-5	228-9	61-09	525-0	254-7	69-22	542-3	266-4	60-96	557-7	289-8	57-80	541-6	262-0	47-2	49-5
16	64-44	557-0	165-2	61-27	529-1	250-3	69-32	550-6	254-8	59-16	558-0	282-3	41-81	558-6	270-5	48-9	52-4
18	57-78	556-6	190-6	62-22	534-0	193-2	65-03	536-6	239-2	53-88	567-3	300-4	56-72	561-8	231-0	52-6	54-3
19	54-45	554-0	201-1	57-04	538-2	200-1	67-82	563-8	224-0	61-81	566-7	258-2	56-43	557-6	227-4	53-9	56-4
20	53-20	552-1	221-0	55-33	532-4	219-2	62-48	542-2	255-6	57-91	555-2	215-4	57-04	561-5	224-3	50-7	51-6
21	55-53	551-3	219-3	56-58	538-2	236-1	63-16	541-6	207-8	57-19	557-4	236-2	57-31	565-7	219-8	48-2	48-3
22	53-24	560-1	233-2	54-72	541-0	234-3	66-66	550-3	263-7	58-85	559-2	218-4	56-30	564-4	216-2	47-4	50-8
23	41-20	506-2	179-0	63-20	541-8	28-7	-05-44	556-9	256-0	58-60	702-3	495-2	39-54	530-3	405-2	51-1	51-8
25	99-86	*344-0	138-3	63-81	505-3	290-5	62-72	602-2	479-3	57-14	542-5	551-3	49-10	508-8	110-3	43-1	48-3
26	53-17	535-0	293-8	57-84	519-1	318-3	62-55	531-0	292-3	56-94	542-0	292-2	56-79	549-9	269-3	43-0	44-7
27	52-70	546-3	267-9	56-95	530-2	270-4	63-90	541-3	258-5	58-49	550-1	266-8	57-08	556-7	256-4	49-5	54-0
28	54-92	550-3	259-2	56-95	529-1	272-4	62-55	548-3	269-1	58-11	555-0	257-3	57-05	562-0	249-1	48-5	51-0
29	52-57	558-4	266-3	56-23	537-7	266-0	66-63	597-7	284-5	66-12	587-1	284-2	58-89	566-5	353-8	48-0	50-7
30	53-64	552-7	260-7	57-14	528-3	259-1	60-77	548-2	243-5	58-53	557-6	239-5	56-87	562-8	237-0	47-2	49-3

* Out of field at the lower end.

DAILY OBSERVATIONS OF MAGNETOMETERS DURING NOVEMBER AND DECEMBER, 1847. 7

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			8 P.M.			Temperature of Bislar and Balance.				
Civil Day.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	8 A.M.	5 P.M.	
	se. div.	mie. div		se. div.	mie. div		se. div.	mie. div		se. div.	mie. div		se. div.	mie. div		se. div.	mie. div		"	"	
Nov. 1	53-67	556-4	230-2	62-66	556-9	207-8	72-15	579-3	243-8	64-91	555-6	344-6	57-79	556-8	293-7				49-1	53-8	
2	55-61	540-5	186-0	58-94	532-6	239-0	59-77	542-8	250-8	58-77	552-9	246-7	57-48	559-3	237-5				54-4	56-3	
3	56-97	550-6	235-1	59-79	531-8	267-8	66-57	543-5	294-3	59-53	550-3	293-2	57-95	563-2	266-7				46-6	47-0	
4	57-28	553-5	221-3	59-53	539-4	248-1	63-97	546-3	253-7	57-89	558-3	246-5	51-93	558-9	243-6				47-0	48-9	
5	54-62	552-5	231-2	57-82	542-7	235-5	63-77	547-5	245-9	58-92	559-6	228-3	56-52	564-9	217-1				47-8	50-7	
6	54-01	570-3	209-2	58-29	545-5	217-8	63-16	544-0	222-0	59-23	561-7	239-0	57-89	565-7	239-3				51-8	54-4	
8	52-57	553-1	205-6	58-60	544-4	217-4	65-58	549-1	247-4	59-39	560-9	257-9	50-72	552-4	275-2				54-8	56-1	
9	53-61	558-2	218-4	56-84	543-3	223-3	65-65	551-7	250-4	58-96	559-2	251-0	55-42	562-2	231-8				51-4	52-1	
10	54-68	557-1	240-3	56-90	539-4	233-9	65-35	552-7	244-7	59-39	551-1	337-6	53-04	554-5	302-4				47-2	49-8	
11	54-55	531-2	216-8	57-34	538-6	229-6	63-02	551-1	239-6	56-32	556-6	246-2	55-71	562-0	230-0				51-1	49-8	
12	53-61	559-3	222-0	54-70	540-7	240-8	60-37	544-9	250-5	57-12	558-6	243-4	56-90	568-1	226-8				47-4	47-7	
13	56-40	565-6	237-9	54-73	537-9	262-5	64-14	555-8	259-7	41-43	553-5	291-7	56-97	558-0	272-0				43-1	46-3	
15	56-67	561-7	205-5	57-49	545-5	215-0	60-53	550-6	222-7	48-53	556-5	252-0	56-79	565-8	228-9				51-9	54-3	
16	55-36	564-0	266-0	57-35	539-9	234-0	65-65	555-1	198-3	61-61	567-6	282-1	61-02	548-8	325-6				51-1	48-8	
17	54-35	554-4	273-1	56-50	545-3	260-4	59-86	553-3	255-4	57-41	559-4	249-2	56-70	564-6	242-1				42-0	41-4	
18	53-61	561-7	232-0	55-70	548-5	239-8	62-93	558-8	242-8	57-84	566-9	235-5	56-37	567-5	229-0				37-3	38-4	
19	55-70	561-1	218-3	57-07	551-4	219-3	61-38	561-8	213-8	57-28	568-5	205-0	52-84	569-8	211-9				40-7	45-0	
20	52-53	559-6	187-6	56-74	558-1	200-5	63-35	549-4	250-1	62-96	559-5	222-2	57-04	563-4	219-0				45-9	46-6	
22	54-52	566-7	203-4	55-36	563-5	206-9	58-02	568-3	212-2	48-80	606-8	214-2	64-29	612-3	472-1				44-8	44-5	
23	54-75	537-5	226-7	57-81	529-7	267-5	59-59	548-1	280-7	60-37	555-1	246-3	57-41	546-1	237-7				43-5	44-4	
24	55-44	543-3	236-8	56-81	537-5	241-8	59-03	549-8	240-0	56-94	554-5	245-8	54-63	559-6	232-2				42-0	45-1	
25	54-48	561-6	191-9	58-65	540-8	201-5	64-17	570-7	235-0	66-39	576-7	269-0	38-67	560-4	236-9				46-2	49-1	
26	63-38	535-4	174-9	60-74	550-2	226-7	61-83	580-7	362-6	58-02	548-8	310-4	57-21	553-9	244-6				46-2	44-5	
27	56-54	553-8	242-9	57-07	541-8	259-7	61-81	545-4	265-3	56-21	558-2	288-6	60-04	584-3	232-3				40-5	38-7	
29	55-15	559-8	234-8	56-84	546-3	236-5	60-84	554-6	228-4	57-34	568-1	229-4	57-37	564-6	232-0				35-9	39-1	
30	54-48	562-5	206-7	55-78	556-8	190-4	58-20	556-9	196-5	57-49	565-8	206-4	55-91	563-4	209-9				42-5	47-4	
Dec.	1	53-74	560-9	216-3	59-61	552-0	202-3	59-68	561-6	214-6	57-58	570-3	209-7	60-45	578-5	254-6				43-1	43-6
	2	54-18	561-5	173-4	55-89	562-3	195-5	59-21	567-4	198-8	57-28	568-6	200-6	58-29	558-3	274-8				44-8	48-3
	3	54-39	545-8	179-8	57-51	552-2	211-9	61-01	558-4	209-6	61-09	559-4	285-2	57-71	559-7	231-9				49-8	48-2
	4	54-75	559-5	219-2	54-95	556-7	214-7	61-31	539-9	239-5	61-68	558-3	281-5	56-27	560-9	258-9				45-1	45-4
6	56-94	572-4	207-9	54-21	553-0	224-4	59-21	559-0	223-7	57-37	562-5	223-8	56-34	565-6	219-4				38-4	38-9	
7	54-28	567-5	206-3	53-56	557-4	210-0	58-42	561-3	197-1	57-05	568-1	207-9	55-86	569-3	207-5				40-0	39-0	
8	54-99	576-2	183-4	56-43	554-7	208-5	60-94	556-5	243-1	58-72	565-5	288-0	55-83	566-2	234-0				35-5	35-7	
9	56-27	569-9	209-0	57-17	545-9	223-9	62-01	559-1	218-1	56-37	554-6	257-9	54-99	569-7	211-4				35-2	43-1	
10	55-80	561-1	243-6	57-48	553-4	199-1	59-74	555-9	209-1	58-92	558-3	245-8	56-97	549-0	294-4				48-0	45-9	
11	56-30	562-4	173-2	58-49	541-5	209-6	63-14	550-0	256-0	55-54	562-0	252-0	53-27	562-5	222-1				42-2	42-3	
13	55-08	569-3	196-5	55-76	552-3	203-5	60-06	561-3	190-7	51-94	550-7	233-6	55-29	569-0	203-0				43-0	45-8	
14	54-82	563-3	192-9	56-77	555-2	194-2	61-70	566-3	200-5	54-05	566-6	227-1	55-07	559-0	220-8				45-0	45-8	
15	54-35	568-8	195-1	55-53	559-9	199-6	59-36	562-1	194-0	56-25	569-0	202-7	54-89	569-8	197-5				43-6	45-0	
16	55-02	568-3	193-5	54-86	562-1	197-1	57-66	562-9	193-6	55-89	572-9	191-1	56-16	575-4	184-7				43-3	45-7	
17	52-15	567-5	174-5	58-70	557-9	196-9	62-23	573-4	186-0	83-24	848-+	977-0	77-09	720-+	445-5				45-0	45-6	
18	54-75	543-0	219-5	55-76	549-2	226-0	60-60	527-5	276-4	57-48	553-9	276-4	42-21	532-0	173-3				50-0	48-4	
20	69-56	513-9	86-9	16-65	516-6	532-5	60-77	715-8	-181-6	77-15	734-1	389-7	75-47	563-9	-197-6				40-7	.....
21	55-98	514-3	237-9	56-57	536-6	229-3	58-92	537-3	236-2	57-34	541-2	242-8	55-22	543-5	228-8				38-7	38-0	
22	53-34	548-7	222-9	53-71	548-0	228-1	60-33	552-2	236-6	56-61	553-4	232-9	55-29	554-4	221-8				37-4	37-4	
23	53-71	563-8	191-8	56-01	545-2	194-7	56-47	553-9	215-3	58-69	561-3	233-7	55-63	560-6	223-9				36-7	36-9	
24	54-52	555-3	210-0	55-73	551-5	186-9	56-81	554-8	200-1	57-81	561-3	209-4	57-64	557-6	221-4				35-9	36-2	
25	54-55	561-1	194-7	55-74	549-9	182-6	57-91	555-9	190-8	56-90	560-5	198-0	53-41	561-2	201-9				36-9	38-4	
27	54-08	561-1	195-7	57-04	557-5	190-2	59-97	560-0	197-0	56-50	561-2	196-8	54-55	563-9	196-2				36-6	35-2	
28	53-24	563-3	193-6	56-00	553-0	187-7	58-72	556-7	194-0	57-04	566-7	203-0	54-01	567-0	190-8				34-2	35-6	
29	54-41	567-3	186-8	54-99	564-5	177-2	58-18	563-3	178-6	62-05	562-7	202-7	54-01	618-6	243-0				33-8	35-0	
30	54-75	559-4	197-0	55-96	545-6	190-8	59-36	553-3	195-5	56-94	561-4	199-1	57-55	563-7	208-0				35-1	36-2	
31	53-64	556-2	205-2	56-47	554-9	182-4	59-24	556-7	186-8	56-75	563-3	187-3	55-63	568-2	193-1				32-5	32-2	

Göttingen Mean Time.	11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.	11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.
Civil Day.		se. div.	mic. div.		se. div.	mic. div.			Civil Day.		se. div.	mic. div.		se. div.	mic. div.		
Jan. 1	57-31	557-3	182-7	59-91	557-3	197-3	33-0	33-8	Mar. 1	56-50	554-4	201-3	55-36	568-6	209-9	41-1	41-9
3	54-83	560-3	168-8	57-44	567-6	.....	40-6	46-8	2	53-00	522-3	204-6	55-76	564-3	207-6	39-8	40-9
4	58-89	562-4	249-2	60-17	556-1	270-3	45-6	46-9	3	53-54	552-5	195-4	56-90	569-6	198-6	39-3	42-9
5	56-18	556-1	203-7	56-87	558-9	212-1	44-0	43-2	4	54-62	553-4	211-2	57-31	558-3	207-2	37-5	40-4
6	55-68	554-3	228-7	57-31	566-9	.....	36-3	37-3	6	54-15	554-7	190-9	54-01	561-8	205-4	39-4	40-2
7	57-99	559-8	.....	59-91	557-8	.....	36-1	36-5	7	54-82	545-3	195-2	58-18	573-5	210-9	39-3	41-5
8	53-25	556-8	.....	56-78	558-0	.....	34-4	32-5	8	53-54	544-5	186-9	59-86	586-5	231-0	40-8	45-1
10	57-35	558-7	.....	56-68	561-6	.....	32-3	32-1	9	54-48	538-7	183-6	57-71	571-8	196-5	44-9	48-1
11	56-28	554-3	.....	57-39	564-2	.....	32-3	33-9	10	52-26	547-0	183-0	57-04	566-7	189-1	42-9	45-6
12	59-00	560-4	.....	58-70	604-7	.....	37-2	40-1	11	53-07	553-3	228-9	55-42	572-8	188-5	41-8	42-3
13	58-90	550-1	.....	53-45	557-3	.....	41-3	42-3	13	53-61	526-7	186-2	57-37	573-0	186-9	37-8	42-2
14	57-10	550-2	.....	54-82	570-5	.....	38-8	39-9	14	52-67	558-0	180-5	58-72	573-0	187-5	37-2	41-9
15	58-72	546-5	.....	57-68	560-9	.....	38-7	39-2	15	60-13	544-2	189-7	56-50	566-5	265-3	41-9	46-3
17	57-04	538-4	.....	56-70	552-9	.....	37-8	38-1	16	60-40	550-7	183-0	53-81	569-6	196-6	41-9	42-9
18	54-30	548-2	.....	56-73	566-8	.....	34-7	35-4	17	62-82	525-5	204-5	59-06	635-4	320-1	41-0	41-4
19	53-93	548-0	.....	55-63	577-8	.....	32-7	34-5	18	55-89	532-8	204-3	57-58	559-7	203-2	40-5	43-5
20	56-70	549-5	.....	53-38	553-4	.....	29-7	31-0	20	57-84	537-4	229-1	43-85	658-3	356-8	38-1	42-7
21	58-38	552-1	.....	56-30	561-3	.....	29-4	30-2	21	56-50	542-0	195-1	60-33	560-9	228-5	38-1	40-3
22	53-20	552-8	.....	56-30	563-6	.....	30-6	31-3	22	53-61	543-7	196-8	54-82	562-9	198-4	37-2	43-7
24	61-07	540-6	.....	63-84	571-3	.....	31-7	32-2	23	54-89	539-8	197-8	54-89	567-0	190-2	45-2	48-0
25	57-51	542-1	.....	57-91	558-5	.....	31-2	32-7	24	59-93	538-6	176-8	58-32	560-8	200-8	46-4	50-4
26	57-04	548-1	.....	57-91	562-6	.....	30-8	32-5	25	61-21	526-0	190-4	63-09	561-4	286-8	45-6	48-2
27	56-16	547-4	202-1	58-99	559-1	209-3	32-4	34-0	27	56-10	538-9	187-4	54-15	568-3	195-4	38-6	47-0
28	55-96	549-3	176-5	61-21	593-0	182-3	30-8	31-5	28	54-15	539-5	169-0	56-23	576-6	192-6	45-2	46-3
29	72-72	540-5	166-0	56-77	551-3	215-8	20-6	21-0	29	53-95	541-8	180-1	54-35	566-2	185-0	43-5	47-5
31	55-56	541-6	210-4	57-10	560-3	197-3	30-4	34-5	30	52-33	539-1	184-7	57-58	573-5	178-0	43-3	49-3
Feb. 1	54-41	562-5	201-4	56-63	563-9	197-0	29-5	34-3	31	55-70	534-6	176-3	62-15	583-0	212-4	48-4	53-9
2	54-62	550-7	190-4	55-70	562-6	196-4	36-0	39-0	April 1	55-15	546-5	182-6	55-89	568-2	181-1	46-9	52-7
3	52-87	560-0	185-6	57-17	568-3	192-7	37-7	40-5	3	57-84	529-5	198-8	58-58	590-4	253-4	54-5	60-4
4	54-21	556-3	190-6	56-03	565-0	198-0	43-3	45-6	4	53-81	536-0	192-4	58-45	587-2	223-8	53-8	57-0
5	52-40	554-8	188-9	56-10	568-3	193-9	47-8	49-6	5	50-38	533-8	187-0	57-91	565-3	210-3	50-7	51-3
7	52-26	551-3	190-0	58-72	563-7	198-6	38-7	40-6	6	58-11	530-8	199-4	59-53	560-3	230-2	42-8	45-4
8	56-23	553-5	195-5	53-95	558-4	231-5	40-9	42-0	7	60-00	511-0	173-0	61-95	576-6	281-3	41-4	46-5
9	58-32	556-1	190-2	54-62	561-5	243-8	43-8	45-5	8	56-70	522-5	190-1	56-70	561-1	194-4	41-0	44-1
10	54-08	550-1	205-5	57-84	564-3	208-9	42-3	43-4	10	52-40	542-8	188-2	54-89	565-3	192-8	37-7	43-3
11	52-94	552-8	193-2	57-37	564-3	205-2	38-4	41-6	11	53-61	547-2	183-5	54-15	569-9	187-6	38-5	44-7
12	53-61	558-2	194-2	57-78	563-8	199-9	38-2	40-6	12	51-66	547-1	187-8	57-24	563-0	188-5	40-5	43-7
14	53-61	554-9	197-3	59-66	574-5	186-3	45-2	46-6	13	50-72	548-7	181-2	54-01	578-9	173-9	42-4	47-4
15	55-96	551-0	189-8	59-06	572-3	208-8	42-4	42-8	14	52-26	551-6	182-5	56-70	572-2	177-7	41-6	45-7
16	54-62	550-1	195-3	56-37	564-4	203-0	38-8	39-1	15	51-32	549-5	171-8	58-58	582-6	183-3	39-8	43-7
17	54-41	551-6	186-6	56-97	568-5	198-1	35-3	39-9	17	53-61	545-7	179-2	57-04	582-6	187-0	48-7	54-0
18	52-33	549-9	215-3	56-63	571-2	200-3	37-0	36-5	18	52-60	545-3	180-9	55-09	567-3	184-4	49-5	53-4
19	55-09	549-1	192-2	62-35	578-6	211-6	38-7	43-0	19	54-48	544-8	176-6	57-84	573-2	183-8	48-9	49-7
21	48-50	456-1	184-9	60-53	542-1	252-6	37-8	39-5	20	52-13	545-5	183-6	56-37	577-5	168-1	47-5	51-0
22	49-98	559-9	218-2	61-41	554-9	225-3	36-8	39-5	21	53-88	553-9	166-2	58-65	599-5	194-1	48-3	49-1
23	56-70	545-4	219-5	51-99	565-1	246-8	40-8	44-0	22	54-82	557-5	151-2	59-06	566-2	205-7	48-0	49-0
24	57-04	516-6	203-1	60-87	616-1	390-1	39-3	39-2	24	52-94	550-3	183-2	57-44	566-3	190-5	45-0	49-0
25	61-21	505-0	227-3	57-04	557-6	232-7	38-0	43-4	25	50-04	549-3	185-9	55-63	569-2	185-5	46-2	48-2
26	53-41	546-3	202-4	56-63	554-3	215-3	41-7	42-4	26	53-61	548-5	161-3	54-08	571-8	170-1	43-9	46-3
28	56-70	553-4	196-3	57-84	558-0	204-5	41-9	46-1	27	53-67	547-3	166-4	55-09	577-8	166-5	42-5	47-5
29	59-06	549-7	197-5	56-57	564-2	202-9	41-2	43-0	28	51-66	555-0	162-6	56-97	575-2	169-2	42-8	45-6
									29	57-91	553-3	155-6	58-25	596-5	255-9	42-4	47-8

Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.		
		se. div.	mie. div.		se. div.	mie. div.	*	*			se. div.	mie. div.		se. div.	mie. div.	*	*		
May 1	54-75	550-7	172-6	52-67	579-8	186-4	45-0	53-7	July 1	51-52	544-7	168-7	55-36	584-9	190-1	55-0	58-2		
2	52-73	551-6	166-7	55-70	576-9	176-1	49-1	54-5											
3	57-98	547-9	153-1	56-57	586-7	205-3	51-5	59-7	3	47-69	548-4	169-1	57-71	597-0	168-9	56-4	61-3		
4	58-79	559-0	162-8	57-78	597-2	169-2	56-0	63-7	4	51-46	545-1	179-3	56-77	575-8	223-4	56-7	61-4		
5	53-95	553-3	173-3	54-08	571-5	175-1	58-2	65-0	5	48-36	558-5	167-8	56-37	604-4	211-0	57-6	65-0		
6	50-38	542-5	157-5	56-70	579-4	166-6	59-0	62-9	6	51-86	543-9	178-2	55-36	569-7	168-1	63-0	65-3		
									7	47-56	544-6	166-0	54-01	581-0	171-9	64-9	66-7		
8	60-33	545-5	157-9	62-22	601-8	265-7	54-1	58-5	8	49-71	545-0	172-5	52-94	582-9	173-7	61-4	63-1		
9	53-27	544-8	152-4	53-14	576-6	178-6	52-7	59-6											
10	53-74	555-6	145-9	62-42	604-4	173-1	54-7	62-2	10	52-87	559-1	148-3	53-61	579-5	177-6	60-7	64-5		
11	56-77	545-9	169-1	55-29	571-8	181-5	58-0	65-1	11	72-98	554-2	178-5	57-58	618-0	371-1	61-1	68-5		
12	52-53	553-6	162-8	56-10	573-0	170-7	59-6	62-4	12	58-65	529-4	200-0	63-16	617-5	286-8	67-5	73-9		
13	51-05	548-5	160-4	55-76	576-1	170-6	60-4	68-1	13	51-39	532-9	203-7	52-87	616-3	197-0	70-1	76-3		
									14	50-58	547-0	180-3	58-05	663-9	333-4	69-8	71-1		
15	55-83	562-3	149-9	54-68	578-9	164-1	54-9	58-7	15	50-51	544-4	213-8	55-42	578-0	188-0	63-3	68-8		
16	53-14	551-4	151-6	53-88	593-9	187-6	57-4	61-9											
17	51-99	545-6	153-5	51-07	610-6	177-8	57-9	61-7	17	51-19	547-9	176-5	55-36	580-6	193-9	64-3	65-4		
18	57-10	543-4	137-9	57-31	568-4	160-6	58-0	60-5	18	50-72	546-8	185-3	56-57	578-5	201-7	62-3	64-1		
19	53-81	550-1	176-8	55-63	606-2	225-1	54-0	57-8	19	50-25	541-3	165-3	57-84	572-0	195-7	61-4	64-8		
20	53-47	527-1	186-3	54-21	579-8	197-9	56-1	60-1	20	46-41	545-3	197-6	54-62	567-0	186-8	61-9	64-3		
									21	50-51	543-2	181-9	56-97	577-4	190-0	56-4	60-7		
22	51-66	540-7	167-0	53-54	580-2	178-8	56-7	64-8	22	47-82	546-3	180-9	54-01	575-9	175-5	58-0	62-1		
23	51-25	548-7	162-0	56-90	574-1	165-6	61-8	67-9											
24	50-72	553-6	157-2	60-27	570-5	164-7	63-6	66-0	24	50-18	533-5	190-7	53-67	574-0	200-4	59-0	63-0		
25	52-60	548-8	167-0	56-77	565-8	167-5	60-0	65-0	25	47-22	546-9	188-8	52-73	579-9	191-4	60-6	63-9		
26	51-25	546-0	160-8	54-75	573-4	161-4	58-7	60-6	26	47-89	528-8	198-7	54-28	570-9	191-9	58-9	64-2		
27	54-01	554-2	135-3	58-11	589-4	236-2	57-4	60-6	27	51-39	545-0	185-4	53-41	569-8	193-7	60-6	63-6		
									28	50-51	544-2	190-2	54-48	577-6	178-0	59-2	64-2		
29	54-68	545-5	150-8	55-02	579-0	184-6	56-2	59-6	29	48-03	543-6	178-5	57-78	587-0	218-5	58-9	65-8		
30	53-67	552-1	169-2	54-35	581-5	167-6	56-5	60-2											
31	52-20	542-7	158-5	60-80	586-2	178-3	55-8	56-6	31	51-12	545-7	189-3	52-73	579-9	195-7	62-1	66-4		
June 1	54-41	547-9	168-4	57-17	551-4	184-0	53-3	56-8	Aug. 1	49-64	539-2	190-7	57-04	586-3	185-8	60-8	64-8		
2	50-51	545-0	161-1	55-36	579-6	170-7	54-9	58-6	2	53-67	553-6	178-4	56-84	580-4	188-9	59-9	63-5		
3	51-25	540-9	169-0	57-37	581-1	164-2	55-7	57-7	3	48-43	546-4	181-8	53-81	579-2	189-6	57-5	62-6		
									4	50-92	546-5	170-7	54-68	582-8	197-5	54-6	59-7		
5	50-11	542-5	172-0	56-63	575-4	169-6	53-5	58-2	5	56-97	555-6	173-9	55-02	577-3	188-5	55-3	61-2		
6	51-72	550-2	149-9	56-37	579-9	167-3	55-2	58-9											
7	51-66	549-8	151-9	55-63	582-1	159-7	55-6	58-9	7	52-67	547-0	177-7	51-99	574-8	181-1	59-1	63-0		
8	48-36	550-6	156-0	55-15	586-9	158-1	55-0	59-3	8	49-71	542-5	171-5	52-73	602-8	189-5	56-8	60-6		
9	51-46	553-5	159-2	56-10	582-5	153-9	54-8	57-5	9	56-37	545-3	175-8	52-06	575-4	202-2	56-0	60-0		
10	57-10	553-9	139-7	54-35	585-6	152-2	54-7	59-2	10	50-92	547-9	182-5	54-08	575-5	187-7	56-6	60-4		
									11	50-04	543-3	185-3	53-41	584-2	182-0	56-1	60-3		
12	53-20	547-0	143-5	53-74	585-3	158-8	54-1	58-9	12	55-70	549-8	163-5	52-20	568-8	190-3	56-5	63-1		
13	48-77	555-0	158-3	55-02	578-2	167-8	55-9	56-4											
14	49-84	554-4	151-4	56-84	603-8	182-5	54-1	57-7	14	54-62	550-9	180-1	52-06	578-1	182-2	51-4	57-7		
15	49-77	551-2	161-6	55-29	581-7	176-8	57-0	63-7	15	52-33	547-2	167-9	53-14	575-6	186-6	53-2	57-6		
16	50-92	546-5	152-9	55-83	582-2	165-0	61-2	65-9	16	50-11	541-4	175-3	53-95	579-8	184-6	54-1	58-5		
17	51-93	551-9	157-2	54-55	576-1	165-5	61-0	61-8	17	49-91	550-5	169-5	55-09	580-3	173-7	57-2	59-6		
									18	53-47	541-8	155-7	53-88	584-1	181-3	55-1	62-0		
19	48-56	555-3	145-8	54-68	589-6	162-0	59-8	64-6	19	49-44	547-2	162-8	54-48	596-8	177-2	59-2	61-8		
20	50-98	553-2	141-8	55-83	579-1	152-4	59-7	67-4											
21	53-14	551-2	157-2	57-51	582-7	171-0	65-9	72-4	21	47-08	551-4	168-5	56-50	601-3	172-4	55-1	56-4		
22	58-85	537-1	154-7	54-28	598-5	190-6	67-6	72-3	22	54-82	556-2	170-4	52-20	593-6	209-2	53-5	55-5		
23	52-46	549-0	166-5	54-89	574-6	177-6	63-1	65-9	23	49-51	549-1	178-1	51-86	583-5	199-7	53-1	55-9		
24	45-47	556-8	162-1	53-07	580-3	172-0	60-6	62-0	24	46-88	545-6	181-8	51-66	577-6	184-7	51-4	55-0		
									25	49-57	548-1	176-6	53-41	572-7	182-6	50-0	57-8		
26	47-42	559-0	165-0	54-62	576-0	160-5	56-3	63-4	26	54-89	544-2	159-7	49-24	579-4	180-8	55-9	58-5		
27	44-59	547-9	175-0	55-09	583-2	169-0	60-9	63-3	28	49-98	548-0	166-0	53-41	572-5	201-8	60-1	63-2		
28	49-98	551-9	155-2	54-89	586-2	163-5	61-1	65-3	29	55-96	529-2	162-3	55-29	588-0	193-0	58-9	62-7		
29	48-97	548-0	157-1	55-49	587-6	163-0	61-4	65-9	30	52-06	549-8	172-7	51-39	576-8	178-6	56-7	61-6		
30	55-63	548-6	167-7	55-70	573-4	185-6	61-0	63-0	31	52-67	551-7	168-1	54-01	582-6	171-5	55-6	59-7		

Göttingen Mean Time.	11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.	11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.			Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	
			sc. div.	mie. div		sc. div.	mie. div					sc. div.	mie. div		sc. div.	mie. div	
Sept. 1	55-22	552-2	169-8	53-07	576-3	190-0	52-7	57-2	Nov. 1	49-10	545-6	177-6	50-92	569-7	184-1	42-7	45-3
2	51-39	551-2	170-8	55-63	575-6	187-4	56-3	62-0	2	49-91	551-7	177-3	50-45	569-6	169-1	42-7	46-3
4	58-45	543-5	169-7	53-54	574-3	216-3	59-9	65-6	4	48-90	554-5	171-9	49-64	572-9	168-1	42-2	41-4
5	53-34	543-5	180-0	49-71	566-1	181-4	56-9	65-5	6	50-18	560-2	180-6	50-58	575-2	169-9	35-7	36-7
6	54-41	553-0	174-3	49-91	571-8	179-9	62-6	64-3	7	49-98	566-7	169-7	49-84	575-5	177-6	38-3	42-4
7	52-13	547-2	178-5	51-59	582-5	192-4	59-6	61-4	8	46-55	571-8	167-2	49-84	576-7	164-2	38-6	41-1
8	49-24	562-8	162-5	50-04	579-3	164-5	58-7	62-3	9	48-63	565-7	165-4	50-11	578-0	165-4	36-9	37-8
9	54-75	541-4	171-4	49-57	578-4	304-1	56-0	57-6	10	49-17	571-3	153-4	54-01	580-5	196-1	35-3	37-8
11	53-47	546-2	176-5	49-84	568-7	173-2	49-6	52-7	11	50-18	560-2	163-1	55-36	583-5	184-6	35-2	37-7
12	46-48	548-8	174-7	49-84	568-6	170-7	46-5	52-2	12	51-93	559-0	156-9	48-63	570-4	196-7	39-6	41-3
13	50-38	544-9	175-7	49-64	568-2	164-8	48-7	52-3	13	52-33	563-5	157-0	50-98	575-5	186-0	35-6	37-9
14	50-72	542-9	165-5	50-65	580-4	165-2	51-8	55-8	14	51-86	567-6	159-3	49-64	568-7	198-2	38-7	40-7
15	51-19	540-6	171-9	49-44	579-4	165-5	48-9	57-2	15	51-66	558-8	161-1	50-98	569-1	198-2	38-2	40-6
16	51-12	548-0	170-1	49-57	575-2	163-0	59-0	63-0	16	48-97	553-6	165-4	50-92	570-1	191-8	40-4	43-9
18	53-54	551-1	164-7	51-66	572-4	203-8	52-0	58-5	17	50-18	512-7	163-3	52-26	605-3	349-4	44-3	46-0
19	51-66	524-7	176-2	49-77	570-7	174-4	50-2	56-5	18	51-93	536-8	219-5	51-32	561-7	208-1	43-7	44-1
20	50-78	543-4	173-5	51-79	573-9	170-9	54-6	59-9	20	56-16	542-2	196-3	49-51	569-1	204-9	45-6	47-7
21	49-17	541-5	171-5	50-04	575-5	174-5	53-3	59-7	21	47-82	564-7	180-5	48-97	586-9	191-3	45-1	46-0
22	49-51	550-5	169-6	50-78	569-5	160-1	56-2	60-8	22	51-19	571-1	188-9	50-85	559-1	230-8	42-7	43-8
23	47-02	542-4	174-3	50-11	572-5	164-8	56-6	62-0	23	48-43	561-8	197-8	46-01	578-8	225-6	41-9	43-5
25	47-22	540-5	172-9	49-57	575-5	171-2	54-5	55-5	24	47-62	558-1	187-3	51-93	579-1	186-6	40-1	42-0
26	46-34	547-3	166-3	50-85	571-3	159-6	54-5	57-0	25	51-19	561-6	186-9	49-71	566-1	198-3	36-7	37-9
27	54-55	543-0	169-4	50-18	574-7	165-2	54-0	54-5	27	60-13	504-6	212-0	51-46	548-9	195-9	45-4	47-8
28	46-14	547-7	166-2	50-92	577-8	160-3	52-7	53-1	28	51-39	547-0	191-5	46-28	572-9	203-9	47-1	48-1
29	48-83	554-6	161-2	51-99	570-2	169-8	50-7	52-2	29	48-50	560-6	183-8	51-03	570-1	186-4	48-4	48-3
30	50-25	546-6	161-2	51-39	576-6	183-9	53-6	54-8	30	48-09	563-0	181-8	51-93	566-7	196-4	44-4	44-9
Oct. 2	46-14	546-5	156-0	53-00	572-7	201-3	53-1	56-2	Dec. 1	50-04	56-85	175-4	52-46	572-2	195-3	40-8	41-6
3	47-42	545-0	163-6	54-35	571-8	167-4	54-6	59-0	2	49-24	565-7	163-3	49-03	572-6	195-9	37-7	39-9
4	46-75	553-0	161-8	53-67	573-2	167-8	56-2	59-2	4	47-29	569-1	171-9	50-04	571-7	174-9	42-4	43-4
5	48-43	563-3	161-2	52-06	566-8	162-5	57-6	60-5	5	46-95	563-3	169-4	49-64	572-9	175-2	40-5	40-8
6	46-55	551-8	157-0	50-51	572-5	169-4	59-3	62-6	6	55-09	559-9	171-1	66-93	565-8	241-8	36-9	36-6
7	47-35	550-8	163-7	51-99	575-6	161-8	54-7	59-7	7	48-63	560-0	178-1	50-98	569-6	189-1	35-5	35-8
9	47-62	548-3	160-6	51-99	568-8	162-8	53-5	55-6	8	53-20	564-2	172-1	60-20	571-5	222-0	35-0	40-9
10	45-34	552-6	170-3	53-14	572-5	160-4	51-9	54-0	9	50-98	564-7	185-7	47-96	558-9	201-2	44-5	47-2
11	47-35	559-2	166-6	51-72	571-6	164-1	50-7	52-2	11	49-24	56-10	169-9	46-82	570-6	200-6	49-6	50-6
12	53-54	547-8	164-8	49-51	569-1	137-7	48-5	50-5	12	50-51	559-8	175-5	48-16	569-0	204-3	47-4	47-7
13	53-20	546-6	171-2	48-56	568-8	180-7	47-6	51-4	13	48-23	559-9	172-8	48-30	564-3	184-6	51-1	51-8
14	54-21	550-4	168-5	50-58	567-5	188-7	48-4	51-4	14	51-52	564-7	164-3	46-21	573-6	186-3	51-2	50-7
16	45-81	539-9	170-1	53-07	571-7	163-8	48-8	49-2	15	46-68	560-2	175-0	49-30	567-4	186-5	46-7	46-3
17	53-07	547-7	168-9	52-40	583-3	185-9	44-7	45-1	16	48-56	569-3	174-9	49-71	572-9	179-6	43-5	43-5
18	47-56	531-2	126-9	61-95	612-5	273-2	38-0	39-1	18	48-77	551-5	196-6	49-91	563-2	189-1	38-5	39-6
19	42-84	567-2	179-2	57-17	560-4	222-4	38-0	41-4	19	47-08	561-3	172-4	55-56	569-7	186-0	41-9	42-7
20	48-77	536-2	192-9	43-65	589-1	210-4	36-5	43-0	20	48-23	561-9	179-4	49-10	571-3	179-7	42-1	41-9
21	51-05	547-2	171-5	52-33	564-9	178-6	40-1	43-7	21	52-33	555-3	177-2	50-72	556-7	182-9	35-1	35-5
23	51-19	565-0	163-3	55-36	697-4	367-0	43-4	47-0	22	48-36	555-6	180-3	49-00	552-5	178-5	30-0	31-0
24	51-59	543-2	188-9	50-38	559-6	208-7	46-4	50-7	23	50-85	564-9	174-2	49-91	577-9	175-1	30-5	33-0
25	53-00	555-2	170-3	63-90	585-4	358-9	43-5	45-5	25	48-77	569-3	177-9	50-78	591-8	176-6	37-3	39-5
26	57-91	534-9	223-9	51-19	568-9	257-5	42-2	46-9	26	52-46	536-4	171-1	53-88	579-3	198-6	41-4	43-4
27	52-33	550-6	187-0	51-46	590-6	225-3	44-9	47-8	27	47-62	562-3	177-7	43-85	581-7	183-5	45-9	46-2
28	50-11	544-8	174-8	51-52	563-1	200-1	45-6	49-5	28	46-68	557-3	177-5	49-51	576-1	173-8	37-2	37-3
30	48-70	560-7	176-3	49-30	569-9	278-3	41-3	42-8	29	48-77	558-5	232-4	49-10	579-7	180-8	31-6	33-5
31	52-26	561-1	163-5	37-39	586-7	222-5	43-4	43-8	30	47-42	559-1	177-5	51-32	574-2	183-1	34-0	34-4

Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.		
		se. div.	mic. div.		se. div.	mic. div.					se. div.	mic. div.		se. div.	mic. div.				
Jan. 1	46-34	564.5	169.6	52-87	575.4	171.9	33.3	34.0	Mar. 1	49-71	551.2	174.7	49-64	567.3	183.5	37.7	40.9		
2	47-76	565.4	167.9	49-71	574.0	169.1	31.6	31.8	2	46-88	553.7	166.8	51-19	567.2	181.7	41.1	44.7		
3	47-35	559.5	177.3	48-83	572.4	177.0	23.7	24.2	3	48-30	550.2	166.7	51-59	580.2	161.7	44.5	48.6		
4	54-15	555.9	169.1	46-95	576.2	193.2	24.1	26.6											
5	50-31	581.7	177.5	48-83	576.2	170.5	29.1	31.8	5	48-36	558.0	157.8	50-58	580.3	168.3	46.9	48.5		
6	46-95	561.2	176.5	49-24	576.4	169.8	29.4	30.5	6	48-30	557.3	158.1	48-77	581.8	165.5	44.2	45.2		
									7	46-28	565.3	151.3	47-96	581.3	153.6	46.5	46.4		
8	52-33	566.1	186.5	47-96	581.8	177.2	31.5	33.3	8	52-13	567.4	153.1	48-63	569.8	164.8	39.4	40.0		
9	50-98	559.7	165.5	47-69	570.4	187.4	35.6	37.9	9	49-30	559.7	155.1	49-64	582.1	157.0	33.2	35.0		
10	53-61	562.2	157.3	49-51	575.3	184.4	38.2	39.8	10	47-82	553.9	154.7	49-64	581.6	159.3	32.6	37.8		
11	49-91	565.4	164.7	54-62	575.4	190.0	38.1	37.4											
12	48-50	561.2	174.3	56-03	525.5	171.7	34.7	35.3	12	46-55	559.9	151.8	51-72	588.6	155.8	44.4	47.7		
13	47-69	566.9	163.1	49-84	581.0	166.6	39.4	41.4	13	46-21	563.7	138.2	51-05	581.8	154.8	48.5	47.5		
									14	46-21	563.4	147.4	48-70	584.5	150.8	43.3	46.4		
15	49-10	555.3	184.1	49-64	584.8	183.3	38.8	40.5	15	45-81	563.8	164.4	52-33	586.2	153.3	48.1	53.1		
16	48-63	565.1	167.1	55-29	550.7	221.4	41.7	42.8	16	46-55	560.4	156.8	50-58	584.8	152.0	46.8	52.8		
17	47-96	565.0	176.5	48-63	569.8	186.3	43.4	44.8	17	46-61	562.5	145.9	49-44	582.8	149.3	47.5	51.3		
18	47-56	561.7	178.9	49-51	573.3	198.7	42.4	45.0											
19	45-94	560.6	175.6	48-90	576.0	161.2	45.1	45.4	19	48-56	566.3	166.3	55-83	585.4	189.0	45.6	48.7		
20	44-93	556.1	179.9	50-25	574.3	169.3	40.5	40.5	20	49-57	554.0	165.6	46-34	582.2	196.4	44.9	48.4		
									21	48-36	555.9	151.6	48-90	576.7	168.8	46.0	51.9		
22	45-07	570.5	159.5	49-91	581.1	155.0	42.9	42.9	22	49-30	547.4	153.3	48-97	578.7	180.4	45.5	48.4		
23	49-24	567.3	164.1	54-28	567.4	177.6	42.6	45.5	23	48-90	557.8	156.6	49-03	578.7	170.3	44.1	44.0		
24	48-23	566.5	166.7	50-98	572.9	167.3	47.3	48.4	24	45-24	553.6	150.5	53-61	590.7	175.1	41.8	43.0		
25	46-68	557.7	162.0	51-32	573.3	177.2	49.2	49.6											
26	47-56	554.0	177.7	53-41	580.1	189.7	43.2	43.0	26	46-75	553.9	156.1	50-31	592.5	167.0	41.2	45.2		
27	47-96	557.2	174.6	54-82	573.2	190.5	38.7	38.5	27	46-48	543.3	144.8	50-98	575.0	156.8	42.1	43.4		
									28	46-08	550.8	143.6	49-17	581.4	167.8	41.4	41.7		
29	47-89	568.4	169.9	49-51	581.2	174.8	36.2	37.5	29	42-58	560.7	152.8	46-88	585.1	160.0	39.4	39.8		
30	47-22	565.7	167.4	46-48	604.7	203.5	35.7	36.8	30	50-72	557.0	152.8	50-65	598.3	194.5	38.6	41.2		
31	47-02	565.1	171.5	48-63	572.6	169.3	37.2	40.7	31	48-30	556.7	153.0	48-83	582.5	139.6	41.3	45.8		
Feb. 1	45-00	546.1	186.8	49-71	580.3	173.2	36.5	36.0	Apr. 2	46-55	544.2	152.4	51-12	586.7	181.9	45.8	49.3		
2	47-62	570.8	170.7	50-04	576.2	162.8	38.1	41.2	3	49-98	549.9	142.7	49-91	579.3	180.4	46.6	47.0		
3	47-29	571.5	158.3	48-43	574.8	162.8	45.0	46.3	4	49-71	559.6	145.5	51-32	587.4	173.2	44.5	45.9		
									5	52-53	552.6	141.4	49-24	572.4	157.5	42.7	43.0		
5	46-14	568.0	158.2	48-16	579.3	158.5	47.5	48.0	6	45-54	553.7	149.3	51-46	590.2	146.0	44.2	50.2		
6	44-53	565.3	161.1	49-98	576.1	158.3	46.1	46.5	7	46-88	541.4	146.2	50-18	574.8	163.9	47.4	47.3		
7	45-34	566.1	170.6	49-84	578.3	160.9	45.1	46.5											
8	45-13	565.0	158.3	49-98	577.9	156.4	46.2	46.9	9	47-56	560.1	148.2	44-93	594.2	212.7	41.1	41.5		
9	41-77	557.1	160.4	49-84	580.3	163.5	42.4	43.3	10	48-16	553.7	146.9	50-98	579.5	155.5	39.3	41.1		
10	43-99	565.4	152.6	54-28	580.9	162.8	46.4	48.3	11	45-13	549.3	156.3	49-71	581.2	160.3	39.7	42.2		
									12	43-92	550.7	140.4	49-30	582.5	141.5	40.3	43.4		
12	43-38	559.5	159.7	52-40	589.2	168.7	40.1	41.7	13	43-05	554.6	137.1	50-85	592.0	142.4	39.1	43.6		
13	45-87	567.7	153.1	50-51	570.9	175.1	41.5	44.6	14	51-19	538.3	140.5	54-08	597.0	159.4	41.8	42.9		
14	48-36	568.5	158.3	51-86	575.0	165.7	41.2	43.5											
15	46-75	561.4	154.8	50-72	578.6	148.8	47.0	49.7	16	49-24	553.9	131.9	50-78	592.8	157.4	40.5	44.8		
16	46-88	571.3	150.0	49-77	574.8	157.2	46.1	48.2	17	42-31	556.2	149.7	49-24	583.9	152.8	35.3	36.0		
17	50-25	566.0	141.4	54-48	576.8	165.7	44.6	47.0	18	45-94	555.0	144.7	48-97	599.6	165.4	35.1	39.3		
									19	49-77	560.4	140.9	48-83	589.6	152.2	37.7	41.3		
19	47-29	565.8	146.7	56-84	597.5	196.5	48.5	50.0	20	46-88	555.4	147.9	47-96	592.6	148.6	37.8	41.1		
20	46-28	553.8	169.0	51-52	583.1	190.2	42.8	43.1	21	41-84	564.4	119.3	51-52	564.1	147.2	36.3	42.7		
21	46-34	557.0	174.4	50-45	558.6	200.1	37.5	38.5											
22	50-38	556.2	165.4	61-61	601.0	202.9	42.3	44.8	23	43-72	554.5	96.0	48-23	587.1	134.2	42.1	45.6		
23	45-94	548.7	192.8	49-44	571.6	172.3	39.9	41.8	24	45-40	556.9	130.2	48-83	593.2	139.2	44.5	48.2		
24	46-61	550.6	172.2	50-58	577.1	173.1	39.0	42.2	25	41-16	559.8	143.9	50-45	609.1	142.4	46.8	50.3		
									26	45-74	559.9	127.6	53-14	580.5	178.2	47.2	50.9		
26	47-08	554.4	158.7	50-51	577.2	157.3	35.8	39.6	27	44-12	561.4	136.8	49-30	595.0	148.0	47.2	50.2		
27	46-95	551.9	159.4	59-59	614.2	244.3	33.4	35.8	28	44-32	557.5	135.2	49-37	596.7	158.0	48.2	53.6		
28	47-56	553.0	176.1	48-63	569.4	207.3	36.7	40.1	30	46-75	566.1	133.8	50-18	603.0	142.0	53.4	58.8		

Göttingen Mean Time.				11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.				11 A.M.			5 P.M.			Temperature of Bifilar and Balance.						
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.		
	/	se. div.	mic. div.		se. div.	mic. div.	*	*		/	se. div.	mic. div.		se. div.	mic. div.		*	*		/	se. div.	mic. div.		se. div.	mic. div.		*	*
May 1	46-34	551-8	121-4	47-35	583-5	153-8	.....	.....	July 2	46-95	572-9	114-4	47-29	592-8	127-9	56-8	59-8		3	41-37	568-2	112-4	49-24	634-3	141-9	59-1	61-2
2	46-01	557-2	138-5	48-97	587-8	140-9	.....	.....	4	45-60	560-6	126-3	49-64	622-3	152-6	57-4	59-1		5	44-46	560-9	126-1	50-45	600-0	145-6	56-9	61-3
3	43-92	553-8	134-3	46-95	583-2	169-8	50-7	55-2	6	44-59	563-5	124-8	46-41	607-2	142-2	57-3	61-1		7	42-44	560-7	128-0	47-82	588-7	137-9	61-2	64-2	
4	43-38	569-2	137-9	48-50	586-4	134-6	50-1	55-8	9	44-39	565-8	117-7	49-24	597-6	131-8	61-4	64-5		10	42-91	557-8	125-4	48-83	586-0	135-9	62-6	67-3	
5	50-11	553-6	135-2	47-82	584-7	140-5	50-5	51-1	11	43-65	558-1	132-4	50-18	586-8	126-8	66-0	70-9		12	45-40	572-5	125-3	47-22	596-7	186-2	64-9	67-5	
7	54-28	556-9	138-1	47-49	636-0	220-3	45-4	48-9	13	51-25	571-5	122-2	45-34	615-7	240-9	62-9	66-5		14	44-46	560-0	136-6	42-71	583-9	138-5	61-6	66-2	
8	44-53	563-6	146-9	47-15	587-4	143-1	47-3	50-5	16	45-87	556-2	131-0	46-82	593-4	137-1	61-7	67-6		17	44-93	564-3	133-4	46-61	583-4	134-0	64-0	66-4	
9	55-96	557-2	138-6	46-82	589-1	160-4	48-6	50-7	18	46-01	563-5	122-9	48-90	603-5	134-8	60-6	61-8		19	45-47	558-8	124-0	46-82	589-4	143-8	58-9	63-0	
10	.....	.....	.....	.....	.....	.....	.....	.....	20	44-26	556-6	124-6	48-43	600-0	133-4	59-6	64-2		21	44-53	560-1	112-9	48-16	603-3	133-1	60-0	62-4
11	47-49	568-2	135-0	48-56	589-3	155-8	46-9	49-4	23	45-13	549-5	131-0	48-43	594-0	134-4	60-9	61-9		24	43-32	570-2	125-7	47-22	606-2	157-6	56-7	61-1	
12	46-95	576-0	120-5	54-82	602-4	182-2	47-9	53-0	25	43-65	548-9	135-0	47-29	595-1	142-7	57-8	61-5		26	42-24	564-6	132-0	46-95	588-9	136-8	59-7	62-8	
14	48-97	562-1	120-7	45-60	593-5	140-1	54-3	55-6	27	43-99	564-6	130-5	46-08	603-5	149-5	58-2	62-7		28	44-19	570-4	127-9	45-00	589-1	152-4	58-4	62-1	
15	58-58	565-0	122-0	44-93	593-5	143-2	53-0	53-8	30	43-25	567-9	130-3	44-06	585-4	141-0	60-1	63-0		31	45-94	567-5	120-1	46-28	623-9	138-1	58-4	61-5	
16	43-79	570-5	107-7	46-82	597-0	150-5	52-3	53-6	Aug. 1	46-88	555-3	127-8	47-02	587-1	146-3	57-9	62-3		2	43-99	564-9	121-1	47-96	582-0	135-4	58-8	62-4	
17	42-64	570-8	132-6	48-36	597-6	160-7	51-8	54-6	3	43-32	565-2	122-7	48-16	582-6	136-1	57-5	59-6		4	46-08	563-2	124-5	49-03	591-9	132-6	55-0	58-8	
18	50-92	562-1	128-6	49-77	614-5	159-2	54-4	56-4	6	44-12	571-3	125-7	46-68	591-4	133-5	61-5	66-3		7	43-45	559-6	122-7	49-57	591-2	128-4	61-2	64-0	
19	53-54	562-1	145-1	48-30	595-0	145-9	51-1	54-5	8	44-79	566-1	120-4	49-98	602-4	133-8	62-8	68-1		9	41-57	570-9	121-4	50-98	610-6	133-2	65-6	70-3	
21	47-82	556-4	129-2	50-25	590-2	177-9	49-7	56-3	10	47-69	565-1	121-6	47-15	592-2	158-6	65-2	67-3		11	44-26	563-1	121-2	43-25	599-3	146-6	63-8	65-6	
22	.....	.....	.....	.....	.....	.....	.....	.....	13	41-03	567-1	122-5	48-70	588-4	147-5	62-3	63-4		14	44-26	555-2	126-9	46-61	589-6	139-6	60-0	61-8
23	50-31	563-9	130-9	49-71	600-2	145-1	56-1	59-7	15	42-98	566-1	124-8	45-67	595-7	138-4	57-5	61-1		16	44-12	567-4	128-1	45-87	594-3	125-4	57-4	59-6	
24	45-34	561-5	129-8	49-03	592-5	145-9	55-8	59-7	17	43-65	563-7	123-6	45-27	591-4	127-7	54-9	58-7		18	49-17	564-1	112-9	45-67	583-8	136-8	55-7	59-5	
25	43-58	562-6	132-0	52-67	587-9	139-3	57-0	59-4	20	46-55	561-2	117-3	49-84	584-4	139-8	59-1	62-0		21	45-27	571-9	117-9	46-34	592-0	125-8	61-0	65-2	
26	46-82	566-7	126-9	49-30	584-4	167-8	55-3	59-0	22	46-01	561-8	116-8	44-32	588-1	150-6	62-0	64-6		23	46-75	554-8	123-9	44-06	584-3	138-8	57-5	60-8	
28	45-54	565-1	133-7	49-37	619-2	160-4	56-3	61-8	24	46-55	557-2	131-4	46-48	585-5	135-5	54-0	59-5		25	47-15	567-7	129-0	43-38	582-5	140-9	58-0	61-7	
29	47-35	564-7	113-1	47-35	591-0	140-0	57-4	62-5	27	46-82	576-8	115-6	50-72	603-8	124-1	58-6	61-5		28	46-08	569-1	114-4	46-01	590-7	131-2	56-2	60-2	
30	49-24	568-3	137-9	47-82	591-1	143-0	58-8	63-3	29	45-67	567-1	113-4	42-17	588-6	123-5	61-3	67-7		30	43-38	573-1	123-0	43-18	586-5	128-4	63-8	64-2	
31	46-28	562-2	125-4	47-69	591-4	130-7	57-7	60-0	31	44-39	566-0	123-3	44-32	586-8	124-2	61-2	63-5											
June 1	45-94	573-6	109-2	47-22	594-6	133-5	58-1	61-9																				
2	49-57	573-2	115-0	46-88	596-9	141-3	58-3	61-5																				
4	44-12	571-7	129-8	49-10	592-0	140-3	58-7	64-4																				
5	44-93	563-1	120-0	52-46	632-9	151-1	62-1	65-1																				
6	44-32	557-0	139-3	50-85	615-3	161-7	58-0	62-4																				
7	50-65	560-4	113-5	53-74	610-2	213-8	57-4	62-4																				
8	46-75	554-5	142-3	48-90	600-4	161-7	55-7	56-8																				
9	44-19	558-4	136-7	49-37	592-6	148-6	51-8	55-9																				
11	44-39	563-1	127-3	52-26	608-2	139-1	50-5	54-5																				
12	44-53	564-0	136-1	50-45	600-4	153-6	50-3	54-2																				
13	44-26	560-2	122-0	56-30	670-7	247-5	53-4	58-2																				
14	46-75	552-3	132-2	50-38	596-1	157-5	55-3	60-0																				
15	42-31	563-5	140-2	48-63	586-3	150-4	55-5	58-8																				
16	46-95	564-9	138-1	47-15	589-5	140-9	54-7	58-2																				
18	43-85	568-2	130-9	46-88	596-2	138-8	57-1	58-9																				
19	48-43	567-5	133-6	49-30	591-2	147-0	55-5	57-8																				
20	51-99	580-9	124-1	49-17	600-5	150-6	51-6	57-0																				
21	45-07	570-6	108-1	51-86	595-3	136-0	56-6	58-8																				
22	41-30	563-8	134-3	49-24	598-4	144-1	57-2	58-5																				
23	43-65	559-7	130-6	50-92	592-5	135-3	57-1	59-7																				
25	48-36	575-6	131-4	48-63	591-6	162-1	58-7	62-5																				
26	44-73	564-9	126-6	50-65	593-6	141-5	61-6	65-4																				
27	44-86	571-7	116-4	47-02	618-1	153-1	61-4	62-5																				
28	47-08	563-8	120-3	51-12	599-0	144-9	57-1	60-4																				
29	43-72	570-7	133-4	45-34	589-8	141-2	57-3	60-1																				
30	45-27	567-8	129-9	46-48	592-7	161-0	55-1	59-2																				

Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.		
	se. div.	mic. div.		se. div.	mic. div.					se. div.	mic. div.		se. div.	mic. div.					
Sept. 1	45-54	566-0	122-9	42-84	585-9	132-2	60-4	64-8	Nov. 1	45-47	572-2	125-5	44-46	579-4	132-5	46-1	47-5		
									2	43-92	568-3	127-5	44-86	586-7	129-2	43-5	44-3		
3	48-90	568-4	117-8	43-38	596-0	134-4	60-1	65-7	3	47-49	578-0	120-8	45-27	586-9	120-2	44-0	45-1		
4	52-73	556-9	119-2	46-68	592-6	161-8	61-2	62-0											
5	44-59	559-1	131-5	43-79	589-0	132-7	59-5	63-6	5	44-73	573-1	117-8	44-19	588-0	131-1	42-6	43-7		
6	44-39	563-3	117-8	45-20	583-1	124-4	59-4	58-9	6	43-99	575-8	118-4	45-58	587-3	133-0	38-8	39-8		
7	42-10	569-2	118-2	48-43	586-3	121-8	53-6	56-4	7	43-65	570-1	125-1	43-52	586-4	126-1	34-1	35-1		
8	44-19	565-4	115-1	42-51	596-6	145-0	49-7	56-8	8	43-72	577-0	115-5	43-85	588-3	116-3	39-0	45-6		
									9	42-58	576-6	116-2	43-92	588-0	114-3	50-6	52-3		
10	42-51	560-4	120-9	48-30	590-4	130-9	53-8	54-7	10	42-78	577-8	112-7	47-49	596-4	108-6	52-2	52-9		
11	43-65	564-1	120-9	46-34	583-9	125-6	52-6	53-7											
12	45-00	569-3	114-1	48-23	588-4	128-9	50-7	57-6	12	43-99	574-6	112-9	48-09	583-1	128-2	53-1	53-1		
13	44-93	548-5	105-5	38-87	614-6	179-4	54-0	57-0	13	47-02	568-3	113-2	49-44	579-5	206-1	51-0	51-0		
14	46-41	568-8	123-3	44-59	585-9	142-0	54-5	57-1	14	44-73	564-1	126-9	45-07	583-4	101-5	44-0	44-4		
15	44-19	561-6	124-7	42-64	578-1	126-6	54-5	57-1	15	42-37	574-7	126-8	45-07	586-4	120-8	40-3	42-7		
									16	43-72	579-0	108-4	44-73	578-9	132-1	40-5	42-0		
17	42-91	556-1	129-1	39-07	596-4	192-7	50-5	54-7	17	44-26	575-1	118-7	45-27	589-4	123-0	37-3	39-1		
18	43-25	536-4	135-8	37-59	626-2	186-4	50-4	54-2											
19	54-41	546-5	122-1	44-86	582-9	188-2	49-6	54-7	19	43-72	579-7	114-3	52-53	576-0	165-7	47-9	48-2		
20	42-78	560-3	121-9	42-91	579-2	134-5	53-8	56-5	20	42-58	575-8	113-0	46-48	583-4	128-2	47-2	48-5		
21	43-65	560-8	122-4	48-70	590-9	132-1	53-6	54-6	21	43-72	573-3	116-2	44-39	584-5	127-7	46-8	47-0		
22	44-26	571-4	121-8	45-07	584-5	120-2	54-5	55-2	22	47-49	568-6	122-5	45-94	577-9	143-6	45-4	45-1		
									23	45-40	571-1	119-5	43-18	586-6	125-3	42-4	43-2		
24	43-65	566-4	114-2	49-30	582-5	148-1	55-5	60-0	24	45-47	570-8	117-7	41-23	564-7	138-9	39-0	40-5		
25	44-59	560-0	125-9	42-91	563-7	156-2	56-4	57-6											
26	42-51	567-7	127-7	46-34	584-1	134-6	53-5	56-1	26	42-76	579-8	111-9	45-81	580-9	149-1	34-4	35-9		
27	43-32	558-6	124-0	43-11	587-8	116-3	55-4	58-0	27	53-34	558-3	117-3	45-00	585-0	158-7	34-6	34-6		
28	40-49	557-2	128-5	45-94	572-9	141-9	55-9	56-6	28	52-80	584-8	136-0	47-35	585-7	137-1	30-3	30-9		
29	42-91	566-6	120-3	43-72	582-0	120-3	55-0	56-0	29	44-46	562-1	124-4	27-11	590-4	186-7	26-9	28-6		
									30	53-81	568-9	150-3	44-19	582-1	121-1	36-7	40-0		
Oct. 1	47-89	566-4	118-7	45-20	587-2	164-8	47-3	49-0	Dec. 1	49-51	554-6	147-9	45-87	599-3	266-1	36-3	36-9		
2	44-06	571-6	118-4	45-87	588-3	149-3	42-9	47-5											
3	46-08	567-8	125-3	44-06	585-5	129-2	42-3	43-3	3	43-45	575-1	119-4	43-58	586-1	127-0	40-5	40-1		
4	42-58	565-3	120-5	41-57	585-9	123-9	42-5	45-6	4	44-06	572-3	122-5	44-93	586-5	121-9	36-1	36-5		
5	41-90	563-2	120-0	45-20	585-7	123-5	40-0	45-0	5	42-71	580-7	115-7	43-05	586-1	120-9	34-6	34-8		
6	41-63	569-6	113-8	44-32	590-5	120-2	38-4	44-7	6	42-78	580-4	112-9	43-25	588-3	117-8	36-6	39-0		
									7	41-90	580-9	112-2	42-91	593-1	113-8	38-9	41-1		
8	44-46	564-7	116-4	44-53	580-2	127-5	43-0	45-7	8	43-99	581-2	109-5	42-44	589-8	115-8	41-1	41-2		
9	43-18	568-4	109-9	45-40	588-5	117-1	42-5	47-3											
10	50-38	563-9	108-3	48-63	573-4	140-5	41-2	46-0	10	43-52	583-8	112-1	44-79	579-9	135-6	41-3	41-4		
11	45-00	558-8	109-5	46-01	583-8	160-7	39-5	44-5	11	44-32	583-5	103-5	46-88	593-6	117-2	39-1	39-8		
12	44-26	565-9	120-8	42-98	581-0	118-8	42-1	44-8	12	42-71	582-1	113-2	47-42	595-7	155-1	37-9	38-4		
13	45-13	574-3	115-3	46-48	585-7	141-0	41-2	44-8	13	42-64	580-1	119-9	44-26	585-2	126-8	37-2	37-8		
									14	43-18	582-6	115-6	43-25	586-7	119-3	36-9	40-8		
15	43-58	565-1	139-4	41-90	582-1	138-7	40-8	46-0	15	43-92	583-6	110-3	43-25	588-4	119-8	43-9	44-1		
16	44-79	567-7	121-2	46-28	583-4	152-4	43-1	46-0											
17	44-26	569-4	117-6	44-12	586-2	120-3	40-3	45-3	17	42-37	585-5	105-7	43-65	590-9	111-6	45-8	45-9		
18	49-51	558-5	106-1	44-53	587-4	135-6	52-1	54-6	18	43-45	583-7	109-7	43-85	590-8	106-8	44-9	44-5		
19	41-97	562-4	116-0	44-93	586-9	174-0	54-1	58-1	19	43-58	583-2	111-4	43-38	590-5	113-6	41-6	42-1		
20	43-72	564-7	115-0	43-92	576-9	147-8	54-9	55-8	20	43-85	587-5	106-8	58-32	583-7	137-4	38-5	39-2		
									21	45-81	578-7	109-4	42-58	585-1	125-4	37-0	37-0		
22	51-39	561-0	119-5	43-52	600-4	239-9	47-2	48-0	22	50-31	575-8	115-0	47-56	583-2	146-8	35-3	35-8		
23	45-67	555-5	135-7	43-79	582-4	133-8	61-8	53-5											
24	45-67	550-4	130-0	44-12	577-1	166-5	50-0	50-7	24	45-60	573-4	117-3	42-98	589-4	117-2	35-1	36-9		
25	40-83	565-9	123-2	46-61	580-2	156-9	51-8	54-1	25	43-18	573-7	115-6	42-84	589-1	113-6	36-5	37-7		
26	48-09	568-5	125-4	40-63	583-4	139-6	54-0	56-1	26	42-44	580-0	111-1	43-25	591-6	109-8	39-0	40-1		
27	45-20	566-2	131-4	43-92	582-3	140-2	48-8	50-8	27	44-12	578-2	109-9	44-39	586-9	116-3	38-4	38-0		
									28	44-59	586-2	107-3	45-40	598-8	109-1	29-3	28-6		
29	44-32	560-5	131-4	45-20	582-9	127-9	45-1	47-2	29	49-03	570-0	106-3	47-82	588-9	131-5	28-3	31-6		
30	44-79	572-6	113-6	45-13	583-4	131-9	51-3	52-7											
31	46-01	555-3	123-6	.....	572-7	131-7	48-0	49-2	31	43-52	577-7	115-3	43-99	587-8	125-6	31-5	33-1	

14 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1850.

Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.		Göttingen Mean Time.		11 A.M.			5 P.M.			Temperature of Bifilar and Balance.	
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.	Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	11 A.M.	5 P.M.
			sc. div.	mic. div.		sc. div.	mic. div.	*	*				sc. div.	mic. div.		sc. div.	mic. div.	*	*
Jan.	1	43-11	586-2	106-9	42-24	590-2	118-5	30-5	31-9	Jan.	17	41-57	579-9	100-2	42-98	594-9	106-9	32-4	34-1
	2	47-56	574-0	104-3	42-71	589-3	114-8	32-7	34-1		18	40-89	578-2	102-8	45-40	589-5	119-0	25-0	25-5
	3	45-27	583-1	104-7	43-18	590-5	123-8	37-4	40-1		19	46-14	583-4	103-2	44-26	588-0	120-3	30-9	32-5
	4	45-07	575-1	106-3	44-46	590-4	113-4	39-4	39-2										
	5	43-79	574-5	116-9	42-78	592-6	122-7	35-8	36-5										
	7	43-25	577-6	110-7	44-32	585-9	121-2	29-4	31-4		21	43-79	571-5	118-5	42-84	585-1	116-0	30-5	30-9
	8	42-64	558-2	108-0	.....	.....	.....	28-2	.....		22	42-24	579-4	115-3	42-91	593-0	115-9	31-1	33-5
	9	43-58	579-4	105-0	43-38	590-1	114-5	26-7	28-3		23	44-73	578-5	104-9	47-82	589-3	128-0	37-5	40-4
	10	42-10	579-6	105-4	42-64	591-5	108-0	30-2	31-2		24	43-65	594-4	112-7	44-59	583-7	116-8	38-7	40-8
	11	42-10	580-7	106-3	42-78	592-1	109-5	30-9	31-2		25	41-03	599-6	104-9	41-50	598-1	115-0	38-8	39-1
	12	42-04	583-8	106-0	43-85	597-9	115-3	31-9	32-5		26	43-25	581-9	100-6	45-13	582-5	116-4	39-1	37-7
											28	47-02	580-6	92-4	44-79	575-4	167-5	36-8	40-9
	14	43-32	584-3	98-6	43-72	592-0	111-4	31-4	32-1		29	42-24	570-3	103-4	47-89	584-8	122-4	40-4	40-8
	15	41-30	581-6	102-8	42-84	592-3	114-5	28-3	30-3		30	41-97	575-1	110-1	42-58	589-2	115-5	34-5	35-0
	16	40-96	581-8	102-9	45-54	594-0	107-6	30-5	32-0		31	43-05	581-7	103-9	47-62	587-5	119-8	34-1	34-9

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
			sc. div.	mic. div.		sc. div.	mic. div.		sc. div.	mic. div.		sc. div.	mic. div.	*	*	*	*
Feb.	1	.....	.....	.....	40-42	573-6	121-9	46-82	581-3	113-8	49-30	583-0	148-0	.....	38-8	40-2	41-5
	2	43-92	594-3	97-2	48-09	574-7	99-5	56-37	578-0	193-1	57-51	600-4	236-4	42-6	43-0	43-7	44-3
	4	38-06	581-3	116-1	43-52	568-4	120-1	48-36	579-1	123-0	41-37	591-0	133-2	40-5	40-1	41-2	42-8
	5	39-01	583-0	111-0	44-59	572-6	112-6	49-03	579-1	113-5	43-85	586-1	121-4	40-2	39-4	39-6	40-3
	6	45-07	588-7	87-5	43-38	579-3	108-1	51-86	587-0	114-2	53-34	580-4	144-3	38-6	38-4	39-4	40-8
	7	40-56	577-1	115-3	42-37	577-6	120-7	46-88	576-5	120-5	43-65	588-5	115-0	36-6	36-1	36-5	38-0
	8	38-60	590-3	108-5	40-01	579-6	109-9	50-04	591-2	113-3	43-92	597-9	118-5	36-2	36-1	36-2	37-8
	9	41-57	588-9	106-9	41-16	575-8	109-8	47-49	582-1	108-5	44-06	591-2	123-2	43-1	44-2	44-8	44-8
	11	39-34	592-8	100-9	41-77	574-5	111-6	46-75	582-9	114-2	43-58	592-8	105-5	38-4	38-5	38-3	38-2
	12	39-54	586-1	98-7	42-31	581-5	104-0	48-36	582-7	106-5	46-82	594-9	108-7	34-9	34-8	35-9	37-1
	13	38-60	581-2	100-1	41-23	569-8	101-9	46-48	582-7	105-0	43-18	589-8	102-1	33-4	32-7	33-7	36-6
	14	38-60	590-3	103-8	42-37	569-0	108-5	49-84	581-2	106-8	45-94	588-2	112-4	36-0	37-0	38-0	39-9
	15	39-21	588-0	104-6	41-57	570-9	97-7	49-37	581-2	99-7	46-08	588-1	110-2	45-0	45-4	47-4	48-5
	16	37-59	592-9	93-0	41-37	575-2	93-7	48-97	580-9	102-7	43-45	592-4	113-4	46-5	45-7	46-0	45-8
	18	37-59	595-7	99-7	40-01	580-7	104-2	47-08	586-9	100-8	44-32	594-0	102-3	46-8	46-8	47-2	47-5
	19	41-16	589-6	90-8	41-77	581-3	98-2	48-23	581-7	102-6	44-76	591-0	108-5	46-8	46-9	47-0	47-4
	20	38-20	590-3	99-3	40-56	584-4	88-7	47-15	587-3	91-9	43-92	598-2	95-8	47-4	47-1	47-5	48-2
	21	38-74	593-3	99-5	39-68	580-8	101-3	47-08	587-6	88-2	44-73	595-3	95-5	44-1	44-2	45-7	47-1
	22	41-57	593-2	82-8	43-72	577-4	94-1	46-82	579-1	99-4	48-03	607-4	110-2	47-8	48-0	48-9	50-2
	23	36-85	580-8	100-8	40-76	583-3	105-0	44-26	582-7	187-5	50-18	610-0	245-6	46-7	46-5	46-8	47-1
	25	41-77	580-3	102-8	40-70	574-2	110-8	47-89	582-5	113-2	43-92	589-1	107-5	43-6	43-2	43-9	45-5
	26	38-94	587-5	101-4	40-36	566-9	102-6	50-92	581-4	104-0	45-07	592-0	108-3	44-2	43-6	45-6	47-0
	27	38-87	585-6	104-5	41-16	572-0	104-2	51-59	586-8	94-2	44-19	596-1	111-3	46-8	46-8	47-3	48-1
	28	38-20	586-0	105-1	42-04	568-4	104-9	48-43	585-5	106-9	42-91	587-9	109-6	45-5	44-6	45-4	46-1

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
Mar.	1	37-19	590-0	103-4	41-23	570-0	103-0	53-61	585-2	104-3	49-44	604-7	133-7	45-3	45-5	46-8	48-7
	2	36-85	579-5	98-4	40-70	565-4	106-7	47-42	576-9	105-7	42-58	585-5	114-8	47-9	47-8	48-1	48-7
	4	39-01	584-3	95-0	45-34	576-9	92-4	51-05	573-5	100-5	48-23	578-5	143-9	41-1	40-0	40-3	41-5
	5	40-36	564-8	99-5	42-17	562-4	103-8	48-90	577-8	103-3	43-32	568-8	112-6	39-6	40-0	41-1	42-5
	6	38-74	588-8	106-2	39-11	567-5	108-6	49-77	582-7	98-2	44-59	589-2	107-7	45-7	46-7	48-8	50-8
	7	38-06	589-1	104-7	40-49	574-3	104-8	50-25	577-7	98-8	46-08	588-7	103-0	49-4	49-3	50-6	52-5
	8	37-53	586-3	106-7	39-14	569-4	105-6	49-30	573-0	98-6	45-00	589-4	103-9	48-6	48-0	49-5	53-0
	9	51-32	590-8	106-2	40-22	573-0	103-5	52-06	585-5	99-3	49-24	583-8	121-0	49-2	48-3	47-9	48-0
	11	42-98	583-4	99-9	45-94	561-4	104-8	55-15	581-8	115-5	50-78	602-2	140-4	42-4	41-7	43-1	45-4
	12	35-64	582-6	110-5	40-42	562-4	113-2	46-34	576-7	115-0	49-03	589-0	135-9	40-8	40-0	41-3	44-7
	13	38-47	583-0	105-3	40-36	566-8	99-3	50-85	579-3	108-8	44-26	576-3	131-7	42-0	41-5	43-7	46-6
	14	48-83	574-7	90-3	40-56	571-6	90-7	49-57	570-6	101-0	44-19	586-1	104-2	46-6	46-5	46-9	47-8
	15	38-20	586-4	97-9	40-22	574-3	100-9	50-58	580-2	97-9	45-00	588-9	114-4	45-6	45-3	46-4	48-3
	16	35-44	594-6	97-7	42-64	572-2	105-9	52-33	582-9	98-2	49-24	600-7	112-8	46-5	46-4	46-7	47-3
	18	37-46	587-5	108-3	41-50	589-1	101-6	48-70	579-1	104-3	43-52	589-3	104-4	38-8	38-6	39-6	41-8
	19	37-19	590-6	100-3	40-96	573-1	112-4	48-36	587-8	87-6	44-32	594-0	190-8	43-2	43-6	44-9	46-5
	20	37-66	592-8	97-6	40-83	575-1	96-4	47-69	589-5	86-2	43-05	595-8	98-3	44-9	44-8	46-0	47-8
	21	36-38	590-0	98-0	40-76	575-4	90-7	50-25	579-2	94-3	40-56	589-2	109-0	44-3	43-9	44-2	44-7
	22	37-32	592-9	104-4	40-89	574-9	101-5	51-52	585-2	96-5	45-00	593-7	102-0	42-6	42-8	43-4	45-0
	23	36-32	591-0	103-8	39-48	576-8	99-5	50-38	584-9	92-3	46-08	592-5	105-9	41-3	39-9	40-2	41-0
	25	39-27	587-5	72-5	52-60	554-4	88-3	52-60	566-6	122-1	44-12	576-7	106-7	31-0	30-7	32-8	36-5
	26	36-45	578-8	108-1	42-10	561-8	106-8	48-97	587-5	108-8	44-19	593-2	118-8	35-6	35-7	37-9	41-1
	27	35-37	583-3	99-0	40-49	568-8	99-7	53-88	580-9	101-4	42-84	609-5	115-5	37-3	36-9	38-0	39-8
	28	34-84	579-9	101-9	40-36	563-8	102-1	50-78	576-9	105-4	45-27	593-6	96-6	34-0	33-4	35-7	40-5
	29	35-58	590-4	103-9	39-54	564-7	99-6	48-43	584-0	87-3	47-22	598-1	112-6	35-5	35-3	37-6	40-8
	30	36-65	590-0	108-0	39-21	566-0	101-1	47-42	580-7	86-6	45-40	595-0	96-2	38-8	38-7	39-3	40-2
	Apr. 1	36-52	580-2	71-4	38-80	561-1	93-6	52-40	568-2	105-2	46-88	601-0	152-8	43-7	44-8	47-0	48-5
	2	38-00	588-7	92-7	38-87	568-2	92-2	51-93	581-7	80-8	44-86	598-9	94-9	47-0	46-7	47-3	48-7
	3	36-38	581-4	83-4	42-04	573-7	92-3	51-12	584-4	88-4	44-26	594-1	96-7	48-6	49-0	50-0	51-3
	4	35-98	588-5	100-8	40-01	575-7	108-6	47-62	581-2	70-4	42-91	590-7	95-0	50-0	50-5	52-1	52-6
5	35-84	590-3	92-2	40-70	572-4	90-4	47-29	586-2	80-5	43-72	597-0	83-3	51-5	51-5	52-3	54-2	
6	34-90	588-9	104-3	39-54	577-4	82-7	49-24	593-3	88-6	43-92	605-7	100-8	48-5	46-9	48-1	48-8	
	8	35-84	580-2	92-5	41-43	567-5	98-9	50-31	570-0	101-5	34-90	625-1	139-1	49-6	50-2	52-2	53-9
	9	35-44	578-9	84-6	43-85	568-2	100-2	48-43	580-3	86-4	44-53	591-1	84-5	50-9	50-9	51-8	52-3
	10	35-04	580-9	94-0	41-63	580-6	91-2	49-10	573-4	113-8	43-25	599-7	108-5	49-2	49-0	49-7	51-0
	11	36-92	580-6	94-4	39-68	567-6	105-0	44-83	582-9	80-1	44-53	605-4	105-4	43-8	42-7	45-4	49-0
	12	35-37	589-4	103-2	39-21	560-4	87-0	51-25	576-0	85-7	44-76	605-5	101-2	45-7	45-4	46-3	48-8
	13	34-90	591-3	104-5	39-81	567-9	104-0	51-93	580-7	92-8	44-26	600-3	101-3	45-0	44-4	45-7	49-7
	15	37-33	593-8	100-5	38-67	565-8	96-4	51-99	578-1	76-9	46-21	604-4	93-1	45-0	44-8	44-8	44-9
	16	35-78	587-6	100-1	39-68	564-6	63-9	51-86	578-4	81-6	45-00	598-8	96-1	43-6	44-2	46-1	48-7
	17	34-70	588-5	84-1	37-73	568-9	87-9	50-25	580-5	94-4	43-79	591-7	99-5	46-4	46-7	48-7	51-3
	18	33-89	586-5	97-7	38-06	569-0	94-5	49-10	582-5	83-2	42-64	596-8	99-0	48-0	48-5	50-7	53-4
	19	36-99	592-7	85-1	40-76	572-8	85-9	50-51	590-2	80-8	45-27	600-0	91-2	51-2	51-4	53-0	55-8
	20	32-21	589-7	79-6	42-98	569-2	84-5	49-91	579-8	93-7	47-96	597-7	133-3	51-1	50-4	50-3	50-3
	22	35-04	585-3	84-6	40-36	571-2	98-2	46-82	581-5	75-0	45-54	590-8	90-6	45-4	45-5	46-5	47-6
	23	32-68	586-7	93-3	41-30	566-1	96-3	50-78	580-0	88-9	49-17	595-6	90-3	44-2	44-6	45-9	47-6
	24	33-02	583-8	98-0	38-80	569-9	86-1	48-23	583-3	85-6	42-17	598-4	95-0	42-2	42-7	44-5	46-7
	25	35-44	588-2	90-7	39-81	577-2	82-6	48-97	577-2	85-9	44-46	593-1	96-2	44-5	44-3	44-6	46-0
	26	35-78	589-3	97-1	39-88	573-4	85-9	47-96	580-0	78-2	43-45	596-2	93-4	44-0	44-3	45-3	46-4
	27	34-70	594-2	91-3	39-54	579-3	74-5	40-49	592-0	80-0	45-87	603-7	81-6	45-1	46-1	48-5	50-8
	29	37-53	582-7	98-4	43-11	579-1	89-3	49-10	589-4	89-3	44-26	598-3	112-2	43-0	43-3	44-4	45-3
	30	34-90	590-0	101-7	40-76	575-3	94-1	49-37	582-6	80-9	44-73	600-8	109-7	43-2	43-7	45-3	46-2

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Civil Day.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.				
May 1	34-03	590-0	86-6	39-14	574-4	92-9	46-21	583-8	98-2	44-86	600-0	86-4	45-2	45-3	45-9	47-1
2	35-24	593-2	84-0	41-77	575-6	119-9	49-17	589-2	83-4	38-67	602-0	85-6	42-0	42-3	45-6	48-8
3	38-40	591-8	89-9	41-50	578-6	77-3	52-87	588-4	73-8	50-11	628-0	94-3	45-2	46-0	48-7	51-7
4	38-94	570-4	87-4	46-14	564-6	85-4	51-05	584-8	94-9	43-65	599-1	109-7	46-4	46-5	47-4	48-4
6	33-09	581-8	92-3	41-97	569-2	83-3	45-67	585-3	82-2	39-27	599-4	92-1	40-5	40-9	42-8	45-1
7	34-30	584-4	96-5	41-03	571-9	79-6	50-58	582-3	77-0	45-07	603-5	87-9	40-7	40-9	43-9	47-6
8	32-62	556-4	78-1	46-14	530-7	90-3	52-73	600-9	97-9	44-73	596-9	141-5	44-9	45-0	47-0	49-5
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	35-31	587-6	80-3	43-99	577-9	78-2	48-97	588-9	82-9	40-96	607-8	91-3	43-4	44-4	46-7	48-5
11	31-41	576-1	94-9	41-63	565-4	77-0	.....	.....	.....	41-63	599-3	91-1	48-9	49-1	.....	52-5
13	31-94	588-1	91-4	43-79	568-0	82-3	.....	.....	.....	43-11	634-2	148-9	48-0	47-9	.....	50-1
14	34-16	583-4	94-8	41-37	564-6	76-0	48-16	588-8	71-3	40-22	611-6	108-9	48-2	48-5	49-7	50-7
15	32-41	578-6	82-3	42-51	567-0	64-4	50-98	581-2	73-0	44-32	598-0	83-0	44-6	44-9	46-4	48-0
16	34-84	586-1	79-2	42-51	564-3	68-4	49-24	587-5	64-9	45-34	599-2	85-0	46-5	47-1	49-3	51-2
17	36-25	585-3	66-5	33-42	569-1	71-5	47-56	584-5	67-0	45-20	606-4	75-9	50-9	51-6	54-0	55-8
18	33-70	581-9	80-1	39-61	569-5	78-6	48-36	585-9	75-5	43-32	611-5	85-3	53-1	53-4	54-1	54-7
20	32-41	574-6	67-6	38-06	581-8	70-7	46-21	577-3	78-3	41-63	593-2	83-2	51-2	51-3	51-6	52-0
21	35-31	578-2	77-2	39-61	570-3	64-8	48-30	595-4	69-2	41-30	601-1	81-2	50-0	49-9	52-1	56-2
22	32-41	581-3	93-4	38-94	574-8	83-0	47-49	591-1	74-9	41-97	610-5	87-5	54-1	54-1	55-7	58-4
23	33-76	581-4	82-1	41-37	571-0	68-3	49-30	590-2	65-1	42-57	600-2	80-5	54-9	55-3	58-0	60-1
24	38-40	589-8	81-9	40-89	585-7	32-5	47-89	595-0	68-7	41-97	604-2	85-2	55-2	55-3	57-0	60-4
25	34-23	583-2	79-9	41-03	578-5	70-6	46-68	586-9	68-8	39-81	601-5	110-9	56-0	55-4	55-3	55-4
27	29-80	591-5	77-0	39-14	573-6	64-0	50-78	586-3	75-8	45-60	614-0	83-8	54-4	55-1	56-6	59-2
28	39-34	579-6	61-2	42-37	572-8	54-4	51-46	578-6	68-9	44-59	594-9	89-2	57-6	58-2	60-2	61-9
29	34-16	588-1	67-5	39-61	577-1	64-2	47-49	587-8	70-7	45-47	606-7	82-9	57-6	58-1	59-2	60-8
30	34-10	584-9	77-1	42-84	579-9	67-2	48-43	584-4	59-1	43-79	597-3	77-3	57-6	58-3	60-9	63-2
31	32-68	585-5	85-9	41-90	574-0	67-9	46-95	594-9	65-5	42-78	602-9	81-5	57-7	57-5	59-5	62-5
June 1	34-63	580-0	76-0	42-51	582-0	52-9	48-90	594-9	61-7	46-21	608-2	68-7	58-7	59-4	62-6	66-5
3	33-96	574-1	96-0	44-53	575-4	78-0	47-49	589-3	74-3	43-92	622-0	106-0	65-3	66-8	68-1	71-7
4	31-61	569-6	90-9	42-51	588-4	72-1	49-44	584-9	87-2	42-58	594-7	111-7	66-3	66-7	68-7	71-4
5	30-00	576-7	98-4	47-82	577-0	85-4	48-16	586-2	87-9	46-55	593-2	86-9	67-7	66-6	67-0	67-8
6	33-29	564-0	91-2	43-05	578-9	95-1	50-78	607-7	98-7	48-77	634-6	155-5	61-7	62-1	63-2	63-5
7	31-54	579-5	53-8	39-48	572-8	50-4	45-67	587-9	88-5	44-26	605-4	102-4	57-7	58-6	60-4	61-3
8	34-70	584-7	95-1	40-36	567-5	95-6	53-00	575-7	97-4	42-91	602-5	139-8	56-8	57-0	58-1	60-2
10	34-50	584-0	112-3	42-31	569-1	103-5	46-61	584-2	102-7	38-00	610-2	113-7	58-2	58-6	59-5	61-8
11	33-56	579-1	94-3	40-42	561-2	75-9	49-98	580-3	83-4	46-75	605-3	116-7	59-8	60-1	61-8	63-2
12	34-43	584-2	106-5	41-97	568-5	105-3	49-77	584-7	92-5	43-65	606-9	108-6	59-3	58-9	59-0	60-0
13	32-21	587-7	108-7	38-67	577-0	86-3	48-56	589-0	79-7	43-32	627-2	89-4	56-5	56-9	58-3	60-5
14	32-89	575-5	108-4	41-37	567-3	109-4	48-63	593-9	102-9	45-13	615-7	96-0	57-1	57-0	56-8	56-1
15	34-23	570-4	101-7	42-71	568-3	97-7	47-35	580-6	95-0	42-31	602-4	112-8	50-5	50-9	52-4	54-4
17	30-00	583-4	96-6	32-28	577-5	94-0	48-30	588-6	93-4	36-65	602-3	99-3	54-9	55-1	56-2	58-2
18	33-89	591-3	101-3	42-17	567-3	97-7	48-77	597-7	84-3	43-99	601-3	111-7	57-9	58-3	61-2	64-1
19	32-35	580-5	99-9	38-80	574-3	99-6	47-29	591-4	93-7	38-00	595-2	110-0	61-4	62-0	64-3	65-2
20	34-43	581-5	102-2	40-08	572-3	96-0	46-75	583-4	87-6	43-25	594-4	105-8	63-0	63-7	65-7	67-9
21	31-54	580-6	100-0	40-01	578-6	88-4	45-07	591-9	101-1	40-89	595-4	125-4	63-1	63-0	63-7	63-8
22	32-35	579-4	100-9	39-88	571-1	97-3	47-56	594-8	91-4	41-57	604-8	99-6	60-2	61-1	62-3	63-2
24	31-88	584-7	92-0	39-21	580-5	87-3	47-49	592-9	77-1	44-73	601-5	95-0	64-9	65-8	68-4	71-0
25	34-70	579-1	107-1	40-70	568-4	99-1	47-42	588-8	94-6	44-86	597-8	102-8	65-8	65-2	64-9	65-5
26	34-37	588-9	104-1	38-53	578-0	100-9	47-15	593-8	93-3	43-85	602-0	106-0	61-8	62-9	64-6	66-8
27	33-29	590-2	99-0	37-66	600-8	88-3	50-85	598-0	97-8	49-37	614-9	113-3	60-5	60-3	62-3	64-4
28	33-22	581-8	96-6	41-30	575-6	83-4	47-96	593-0	91-1	46-08	601-1	107-6	58-6	58-4	60-8	63-7
29	34-70	584-9	93-3	41-63	580-1	97-9	36-58	590-4	83-1	47-76	591-5	103-4	60-0	59-8	60-5	62-7

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
July			se. div.	m.c. div.		se. div.	m.c. div.		se. div.	m.c. div.		se. div.	m.c. div.				
1	33-96	591-7	98-1	37-19	577-0	90-4	46-41	581-2	86-4	43-92	599-7	98-9	60-9	61-8	62-4	63-4	
2	32-01	590-7	94-9	37-66	549-8	91-6	50-11	610-1	103-8	41-37	590-1	112-2	58-0	58-1	59-8	62-1	
3	33-63	587-2	97-7	43-11	569-4	92-7	44-93	585-5	87-2	43-18	594-5	108-8	58-9	60-0	61-1	61-5	
4	33-76	585-3	95-1	41-50	578-8	86-6	48-97	594-8	75-0	43-65	592-7	111-6	57-4	57-9	60-2	62-1	
5	39-75	583-2	96-8	41-57	576-3	92-3	46-95	590-0	89-4	36-11	600-9	94-8	58-0	57-8	59-1	60-9	
6	33-02	587-8	92-1	40-56	589-2	31-1	50-85	615-4	91-9	49-64	625-9	131-6	56-8	57-1	58-1	58-4	
8	.....	.....	.....	39-54	578-4	85-3	49-64	599-4	85-2	42-91	600-4	95-7	.....	56-5	57-6	59-2
9	31-74	576-2	101-1	39-21	574-2	75-8	42-31	627-8	89-9	46-68	622-4	125-8	55-7	55-3	56-6	58-1	
10	36-18	570-4	73-2	41-03	573-4	79-7	47-35	596-2	87-0	46-34	596-1	101-1	53-5	54-4	56-8	60-0	
11	39-01	582-6	57-3	38-00	566-3	78-9	46-14	604-2	114-6	47-15	642-8	123-7	56-8	57-4	59-0	61-0	
12	34-70	559-8	80-0	40-56	560-5	88-1	46-08	586-9	142-2	47-62	558-1	240-7	62-1	62-5	64-2	66-3	
13	34-43	568-4	96-8	39-95	564-9	103-9	46-68	582-0	84-7	42-91	596-3	107-9	65-2	65-5	67-5	69-8	
15	36-85	585-2	99-0	35-51	573-1	91-8	44-86	578-6	98-7	44-19	619-6	119-1	64-0	64-3	66-4	68-7	
16	41-84	570-2	65-4	45-40	567-7	92-8	45-20	597-7	121-2	41-57	594-4	147-6	65-4	66-4	68-4	69-8	
17	30-67	572-2	114-9	36-65	569-0	107-5	45-87	580-8	100-1	42-84	588-8	105-7	65-2	65-5	67-9	70-0	
18	32-48	583-3	105-7	38-06	566-1	98-8	46-21	583-7	95-9	46-21	593-9	102-8	65-5	65-8	67-3	69-3	
19	34-57	582-1	106-3	42-24	577-9	96-7	44-26	592-5	99-1	38-94	595-7	105-3	64-7	64-6	64-6	64-7	
20	34-43	583-6	104-6	40-56	584-5	96-9	42-44	596-2	94-3	41-30	610-0	112-7	62-9	63-5	65-2	67-9	
22	41-63	587-0	96-5	40-01	575-3	94-4	46-14	589-6	93-5	41-50	600-0	98-6	65-4	66-1	68-7	70-0	
23	33-42	587-1	90-5	38-20	573-6	77-3	37-86	578-6	72-7	41-03	591-7	96-3	66-3	66-9	69-4	71-4	
24	34-16	575-0	85-1	40-29	568-2	77-2	34-84	584-0	78-1	45-94	633-3	79-6	67-8	67-0	66-6	65-8	
25	33-83	577-1	84-7	39-95	571-3	74-0	47-15	572-3	80-2	41-84	600-2	92-6	60-4	60-7	63-5	65-6	
26	39-34	578-5	75-2	35-17	572-4	76-9	43-92	591-2	77-2	39-75	602-3	87-9	62-3	62-1	62-2	61-7	
27	31-81	580-9	90-4	36-32	572-2	73-4	43-72	589-2	67-1	40-56	600-8	87-9	59-0	60-1	61-8	62-6	
29	32-35	579-1	63-8	41-84	553-6	82-4	45-34	592-8	65-4	42-71	605-4	95-0	53-9	59-2	61-3	64-9	
30	34-63	585-5	76-2	37-79	576-6	81-0	40-49	576-7	77-1	36-92	630-5	90-6	62-8	63-8	66-7	70-2	
31	32-82	580-6	85-0	36-45	572-3	81-6	44-12	582-3	65-2	40-56	595-2	89-1	67-8	67-7	68-2	67-8	
Aug. 1	29-33	584-9	93-2	35-84	574-6	83-3	43-92	584-3	72-2	42-44	604-2	79-1	59-3	59-0	61-9	65-6	
2	29-39	574-0	90-3	35-00	583-1	73-8	43-18	583-9	77-7	41-30	608-4	89-4	62-5	63-0	65-6	67-6	
3	41-03	572-0	83-5	35-98	581-3	74-8	45-54	591-8	78-3	42-44	603-2	90-1	61-4	61-6	62-5	63-9	
5	30-19	580-4	89-6	38-60	572-6	75-4	47-56	590-3	72-9	40-42	598-4	91-2	61-0	60-9	61-9	63-5	
6	33-15	585-9	85-9	43-45	577-7	69-5	49-03	589-2	63-0	39-61	603-8	88-0	59-4	59-9	61-5	63-5	
7	33-22	584-0	90-3	40-01	575-2	83-5	46-61	596-8	73-8	38-80	606-8	90-3	58-3	58-2	60-8	64-7	
8	30-39	579-9	91-4	37-53	571-6	75-7	46-34	584-1	70-4	39-61	601-6	85-9	62-7	63-5	65-3	66-9	
9	31-94	580-6	84-4	39-95	576-5	64-6	47-82	589-3	65-6	41-10	607-4	83-3	63-4	63-4	64-7	65-7	
10	30-33	570-0	66-7	43-18	554-8	79-0	49-03	559-2	85-2	40-01	602-0	95-3	62-2	62-5	64-3	67-5	
12	38-27	588-3	71-9	41-43	564-2	84-7	48-56	574-0	88-3	39-34	602-9	93-9	60-9	61-5	63-5	65-5	
13	35-58	570-0	83-1	40-29	568-8	72-4	43-45	587-4	64-2	38-80	598-4	84-5	60-6	61-0	63-2	67-2	
14	31-94	579-0	82-6	38-94	575-3	71-0	44-59	586-1	68-6	44-53	598-9	81-4	62-5	62-3	64-5	67-5	
15	32-89	586-5	81-0	39-75	584-2	70-8	45-13	594-4	65-6	40-01	601-8	84-0	62-0	62-4	65-9	69-4	
16	33-02	591-1	62-7	35-24	578-4	67-7	42-98	588-2	70-7	41-97	598-2	71-5	67-4	66-5	66-6	67-5	
17	34-70	587-0	54-5	39-54	582-2	56-8	44-76	592-6	65-9	39-34	600-2	66-7	64-2	63-6	63-6	64-8	
19	33-83	577-7	68-4	37-32	574-8	72-9	44-93	587-4	74-9	39-27	594-9	84-7	57-7	57-4	57-9	58-3	
20	29-92	576-6	63-6	38-87	573-1	72-4	46-28	590-0	64-0	40-56	596-3	85-6	53-6	53-7	55-0	56-6	
21	34-16	587-9	71-0	39-14	575-3	73-9	42-91	594-7	60-5	39-07	602-6	70-9	51-1	51-5	53-6	56-1	
22	33-36	585-2	78-0	40-01	576-3	70-3	45-60	594-7	68-5	36-99	605-4	81-2	49-9	49-8	51-1	52-9	
23	29-65	588-6	74-9	40-63	571-7	63-9	46-48	579-5	66-4	40-76	627-4	73-3	48-6	49-0	51-5	53-7	
24	33-49	581-3	70-4	41-77	576-1	66-1	44-39	603-1	71-3	38-53	602-4	80-9	51-8	52-4	54-7	57-1	
26	33-49	584-3	77-5	39-21	572-2	65-4	44-93	598-9	57-4	38-06	596-9	75-8	58-1	57-8	58-8	60-2	
27	32-15	583-8	81-0	41-43	575-5	69-9	47-35	592-4	71-7	39-75	606-4	80-7	53-8	52-9	52-7	52-9	
28	30-27	584-8	83-4	37-46	574-7	77-0	44-93	581-7	64-4	39-81	600-2	77-6	50-4	50-6	52-8	55-1	
29
30	29-52	582-1	75-5	38-33	576-3	71-9	45-60	591-2	63-7	39-48	603-3	77-0	49-9	49-9	52-2	55-4	
31	32-01	586-4	78-8	37-73	576-6	72-3	44-06	581-1	67-0	38-47	601-9	75-7	54-8	55-4	57-5	60-7	

18 DAILY OBSERVATIONS OF MAGNETOMETERS DURING SEPTEMBER AND OCTOBER, 1850.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Sept.	2	31-41	578-1	79-8	42-37	578-9	59-4	47-56	599-4	67-4	40-08	583-8	95-2	62-1	62-2	64-0	65-5
	3	33-02	579-8	72-7	39-48	572-4	71-9	50-51	598-3	84-1	39-95	585-5	82-6	60-9	60-9	60-2	59-7
	4	31-06	585-0	54-0	44-79	578-6	63-4	44-59	585-6	88-2	35-51	597-1	109-4	52-7	52-6	54-0	56-1
	5	35-24	587-0	64-3	43-65	560-4	79-3	47-02	588-7	49-5	44-86	520-9	165-2	52-2	52-0	53-8	55-2
	6	33-29	574-6	84-1	39-75	577-0	86-6	46-75	600-2	75-4	33-29	612-4	152-3	52-6	52-6	54-1	55-5
	7	35-58	580-0	78-5	41-16	558-5	88-0	47-76	579-9	98-0	38-27	589-7	106-9	51-8	51-6	52-2	52-8
	9	38-74	582-0	79-1	41-50	573-7	81-1	45-67	587-6	80-7	38-06	598-6	93-7	48-5	48-1	51-2	55-0
	10	32-62	581-4	88-4	40-63	562-7	83-6	49-10	588-5	85-6	44-93	625-6	153-8	52-0	51-6	52-4	54-8
	11	32-48	582-4	90-6	38-27	570-9	83-3	43-32	582-3	77-8	37-12	596-6	80-3	52-4	52-3	54-4	57-8
	12	35-37	584-3	83-4	39-21	564-8	81-3	45-20	585-0	80-7	42-98	600-9	110-3	53-3	52-7	54-9	59-1
	13	32-28	581-6	80-2	38-13	575-1	75-4	39-34	598-6	71-3	39-81	606-2	70-3	54-1	53-3	55-5	58-9
	14	32-21	586-6	76-6	39-75	575-6	73-6	45-60	585-5	78-2	41-90	601-3	88-8	55-3	54-7	56-3	58-5
	16	33-22	583-1	72-0	40-42	572-7	67-9	43-72	583-0	74-7	38-06	599-5	81-6	51-9	50-5	52-3	55-5
	17	30-67	579-8	80-0	38-13	576-3	67-3	42-84	589-0	71-0	36-85	596-4	71-8	49-8	48-7	51-3	55-5
	18	31-34	583-4	80-2	38-53	576-9	62-8	44-39	594-2	65-4	37-73	598-1	68-9	51-6	50-7	52-6	55-9
	19	33-70	582-6	75-4	39-54	577-6	66-8	46-48	591-8	74-4	37-66	598-0	84-2	52-0	51-6	53-5	55-8
	20	32-55	589-1	63-6	36-72	574-7	70-8	36-05	585-8	66-6	37-73	599-1	72-4	54-9	55-0	54-3	56-8
	21	33-02	587-8	77-4	36-11	577-8	70-8	40-70	588-2	70-4	37-53	597-8	66-7	56-4	56-3	57-0	57-5
	23	40-89	585-5	72-4	37-06	575-2	70-6	43-79	588-3	69-2	45-27	597-9	72-0	54-1	54-4	56-2	58-0
	24	32-15	577-6	69-6	42-24	567-8	70-2	52-73	580-5	71-1	39-21	606-1	98-0	55-8	55-9	57-7	59-7
	25	30-80	587-9	78-1	36-32	564-8	74-1	45-67	579-4	71-0	38-87	597-9	78-5	56-7	56-2	57-9	60-8
	26	31-74	589-2	82-6	34-10	570-4	80-7	42-10	579-7	70-5	39-07	596-5	73-9	57-9	57-1	57-4	58-3
	27	31-81	589-6	84-3	34-90	577-9	81-4	42-78	584-8	68-8	40-36	599-2	72-3	54-5	54-1	55-3	56-6
	28	30-74	591-8	78-9	36-45	573-5	71-9	43-99	574-4	60-6	41-03	591-3	84-3	54-1	53-9	54-8	55-0
Oct.	30	31-88	590-5	71-0	38-00	574-2	72-8	46-75	584-9	71-4	39-95	592-9	80-0	50-5	49-9	50-5	52-9
	1	33-76	573-9	26-8	50-18	553-0	66-0	51-52	569-8	166-4	44-32	600-6	171-3	51-8	52-0	52-8	54-0
	2	44-59	540-7	51-8	42-98	576-9	90-2	43-45	584-1	89-9	33-22	620-0	139-8	49-7	49-7	51-4	53-1
	3	46-41	575-2	34-7	39-21	569-1	82-4	43-58	581-0	101-9	.....	.....	.....	49-3	48-8	50-2	.....
	4	32-82	582-2	82-5	37-93	570-5	78-1	41-77	586-6	80-6	35-91	587-4	80-0	49-3	49-3	51-1	52-0
	5	32-62	582-5	85-3	36-32	567-3	82-0	45-34	587-9	75-6	.....	.....	.....	49-2	48-9	50-9	.....
	7	33-22	590-4	52-2	37-09	584-1	72-7	42-31	578-9	77-2	39-48	587-3	87-8	50-1	50-2	51-1	51-8
	8	36-99	584-2	75-4	38-37	575-4	77-5	43-18	580-3	80-9	37-12	594-1	89-9	50-5	50-6	51-4	52-1
	9	41-43	591-6	52-5	36-15	564-5	90-9	42-17	577-9	85-5	34-77	598-7	115-6	47-6	47-3	48-8	50-8
	10	34-23	593-3	80-2	35-41	570-8	88-5	43-05	578-2	78-5	38-67	591-1	89-9	46-1	46-7	47-0	48-9
	11	33-89	565-8	68-4	38-17	576-1	73-0	42-91	584-8	69-3	37-79	590-8	82-9	44-3	44-4	44-9	46-4
	12	32-62	590-7	78-2	34-74	574-8	73-8	40-49	587-6	70-2	38-27	596-5	74-5	41-8	41-5	43-3	45-5
	14	34-43	601-8	61-5	38-07	593-9	54-9	42-10	591-2	63-0	35-78	599-2	72-4	49-6	50-1	50-3	51-0
	15	34-50	595-1	71-7	38-64	584-0	68-9	44-73	591-2	77-0	41-97	592-7	117-2	42-8	41-9	43-4	45-4
	16	32-89	593-1	70-3	37-83	581-0	74-0	42-04	591-8	64-1	37-79	591-8	78-9	47-3	48-4	50-2	51-5
	17	32-95	592-0	75-8	36-69	579-2	67-1	40-76	592-2	70-4	36-32	593-8	78-8	50-7	50-7	51-7	52-6
	18	34-23	591-1	74-1	37-77	579-0	68-4	42-84	583-8	73-7	37-66	592-3	86-5	52-1	52-1	53-1	53-7
	19	33-36	594-3	72-7	36-69	575-4	66-6	40-83	589-0	63-3	36-99	597-9	70-9	54-2	54-0	54-7	55-9
	21	33-29	590-2	76-2	35-35	575-4	68-1	41-97	590-1	74-1	35-84	592-3	77-4	46-4	45-9	46-0	45-8
	22	33-56	591-7	77-6	37-70	575-3	72-1	41-57	591-3	73-6	36-18	596-1	72-8	42-8	41-8	41-9	42-1
	23	33-29	596-6	73-0	35-35	577-6	71-4	41-90	592-8	62-2	37-46	596-9	73-3	42-9	42-7	43-4	44-7
	24	32-42	595-9	66-2	43-42	578-0	67-5	42-64	593-0	61-6	38-13	608-4	70-9	38-9	37-7	39-2	40-6
	25	33-22	596-3	68-3	39-45	578-2	68-4	44-39	584-2	68-6	42-71	605-0	90-3	40-5	40-6	41-4	42-5
	26	33-02	592-8	70-1	37-43	579-5	68-5	34-63	586-6	81-9	39-81	591-8	103-2	40-6	40-4	42-5	44-4
	28	34-84	602-4	64-3	36-15	578-7	72-8	41-50	582-9	72-8	36-05	596-7	75-0	39-0	39-1	40-1	41-1
	29	34-10	603-9	59-2	35-82	570-8	124-0	43-92	581-8	76-2	37-19	597-3	82-7	37-7	37-1	38-4	41-3
	30	41-16	585-6	49-3	36-69	574-2	67-2	43-32	578-0	82-5	35-17	594-3	84-1	38-0	39-0	41-0	43-1
	31	34-23	595-8	66-8	40-80	580-8	69-9	45-34	588-6	77-8	.....	.....	.....	45-5	45-5	46-7	.....

DAILY OBSERVATIONS OF MAGNETOMETERS DURING NOVEMBER AND DECEMBER, 1850. 19

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
Nov.	1	33-89	590-6	73-4	36-52	580-3	74-3	41-97	586-7	77-2	35-51	587-2	91-5	50-6	51-5	52-6	53-5
	2	31-94	593-7	70-0	35-51	574-0	75-2	40-01	588-6	69-1	36-25	594-4	70-5	54-0	54-2	54-3	55-3
	4	33-42	593-2	64-8	37-12	580-0	67-6	33-76	588-9	67-7	36-11	596-1	72-3	50-5	50-2	49-9	49-2
	5	33-22	595-1	74-3	36-18	580-6	71-5	38-80	588-6	74-3	35-98	597-2	72-7	46-1	46-7	48-0	49-2
	6	33-42	584-2	72-6	34-77	580-8	74-8	38-87	583-0	71-5	35-10	602-0	74-1	45-9	45-7	47-0	47-9
	7	35-17	593-7	70-7	35-98	583-3	76-0	42-58	580-8	76-4	35-44	592-7	87-7	47-6	48-5	48-9	49-5
	8	36-72	592-9	69-8	36-58	585-4	69-0	39-21	584-3	72-7	36-85	590-7	85-6	46-1	45-6	46-4	47-6
	9	35-04	598-0	72-2	37-39	588-4	75-9	40-42	591-3	75-5	37-26	595-6	80-5	45-0	44-8	44-7	46-0
	11	34-16	593-5	71-5	37-12	582-3	75-3	41-97	584-2	84-9	40-63	593-1	99-9	52-9	53-1	53-7	54-3
	12	33-56	588-2	71-4	37-26	587-5	71-6	42-84	596-3	75-1	30-86	593-5	119-3	49-9	48-7	48-6	48-6
	13	33-83	570-6	71-2	36-72	587-5	63-4	.....	.....	.....	.....	.....	.....	42-7	41-7	.....	.....
	14	33-42	592-4	75-7	37-26	587-2	78-9	38-47	593-2	74-5	37-26	598-0	86-9	37-7	36-8	37-0	39-2
	15	33-96	593-6	74-5	36-52	588-4	67-7	40-15	593-3	74-7	36-72	593-1	77-5	34-7	34-2	34-3	34-4
	16	34-30	569-5	70-0	37-59	589-6	69-9	39-81	603-1	78-8	35-24	598-0	77-2	36-7	38-2	40-3	42-5
	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	19	32-55	599-7	64-1	35-24	590-1	63-1	38-06	594-9	66-9	35-98	603-2	69-7	44-7	45-6	47-3	48-0
	20	32-82	601-5	61-4	35-84	592-2	61-5	38-00	600-2	65-6	38-80	600-2	76-9	46-3	46-3	46-5	46-8
	21	33-56	599-0	61-9	35-64	590-0	66-3	37-32	574-5	72-6	35-84	600-3	72-6	45-1	44-5	45-2	45-8
	22	33-96	598-4	65-2	36-32	591-6	64-4	38-74	596-1	67-4	37-46	589-7	60-5	41-1	40-6	41-0	42-2
	23	33-15	600-3	55-5	36-65	592-6	63-4	37-12	600-5	66-8	35-51	602-4	69-4	46-3	46-7	47-3	48-1
	25	34-30	597-8	67-1	35-04	593-6	62-7	45-54	597-5	65-8	39-34	606-9	67-4	46-4	45-9	46-6	47-0
	26	39-61	593-5	54-8	36-92	587-4	63-1	42-37	596-7	68-7	39-01	593-1	82-9	43-9	43-5	43-1	43-3
	27	33-96	594-8	71-2	36-79	587-5	70-7	36-45	592-1	73-8	42-98	595-7	72-5	40-1	38-8	38-7	39-0
	28	34-57	595-2	66-8	35-10	587-0	68-2	38-20	597-2	69-7	37-79	601-6	75-0	33-3	31-8	32-1	33-7
	29	33-83	599-2	67-1	36-11	593-5	71-5	38-20	599-8	69-7	36-11	604-0	65-5	31-6	31-4	32-8	34-3
	30	35-31	597-1	58-9	37-73	585-4	72-7	41-10	597-4	88-2	36-92	592-4	94-5	31-4	30-0	30-7	32-4
Dec.	2	34-30	599-3	63-0	35-37	589-3	67-0	38-47	595-5	70-5	35-24	602-4	64-3	33-1	33-6	35-0	36-6
	3	34-16	599-9	62-1	43-25	592-1	65-2	38-20	592-3	73-5	35-78	599-1	75-4	42-7	43-1	43-4	44-1
	4	36-38	602-5	54-6	38-60	596-0	57-6	32-75	598-1	69-2	35-84	603-9	68-2	44-1	45-0	45-6	47-2
	5	32-35	598-4	62-0	34-84	594-3	61-7	36-45	595-3	62-6	35-58	602-0	68-3	45-3	45-1	45-9	47-3
	6	33-76	600-1	55-8	34-43	594-9	62-7	44-59	600-7	66-7	35-04	604-2	65-0	49-5	49-2	50-5	50-7
	7	34-10	597-9	47-2	36-38	589-0	65-4	38-94	598-1	67-5	37-73	600-3	64-1	44-0	42-5	42-8	44-4
	9	35-51	599-9	65-9	36-99	595-6	65-6	38-00	600-8	66-4	35-64	597-7	74-1	35-2	34-1	34-5	36-6
	10	33-76	601-6	65-4	36-52	594-4	64-8	38-53	597-6	65-9	37-12	600-6	66-2	32-1	31-0	31-2	32-1
	11	37-06	596-5	61-8	36-58	601-4	65-4	39-61	604-5	67-9	38-60	598-5	73-0	33-2	33-1	34-3	35-3
	12	35-58	599-2	66-6	36-79	594-4	66-7	37-73	605-3	64-5	34-97	604-8	65-1	40-0	39-9	41-6	43-4
	13	34-16	598-3	73-0	35-37	596-1	70-3	36-38	600-9	68-2	33-89	603-0	62-8	41-1	41-8	42-5	43-4
	14	33-89	599-2	63-4	36-65	595-9	66-1	37-79	597-4	66-4	34-84	602-1	66-7	41-9	41-0	41-1	42-0
	16	34-57	595-3	65-4	33-83	594-8	73-3	36-65	598-0	72-9	34-90	599-3	67-0	39-1	39-2	40-5	41-2
	17	46-01	598-4	14-1	45-38	568-3	77-3	36-45	590-3	81-8	42-04	589-3	104-0	39-0	38-8	38-8	39-2
	18	33-49	587-6	72-0	37-12	587-1	75-1	37-12	591-4	73-6	36-99	589-8	74-5	36-3	35-3	35-4	36-4
	19	33-96	570-9	69-2	36-25	586-7	75-2	37-26	593-3	78-6	35-58	596-1	72-4	31-4	30-7	30-8	32-5
	20	33-63	594-4	62-3	36-11	590-6	63-2	35-91	594-5	72-5	35-44	598-7	72-8	32-1	31-6	32-0	32-2
	21	37-59	601-7	64-4	37-86	594-0	66-1	36-18	596-9	76-5	34-90	601-2	67-9	34-1	34-3	36-8	38-5
	23	34-84	600-4	66-3	37-19	592-2	65-8	36-58	599-5	65-5	34-63	604-5	70-1	41-0	41-1	41-5	42-3
	24	34-23	599-9	68-0	35-10	592-3	66-3	35-78	596-8	65-6	54-57	600-3	66-7	43-9	43-9	44-2	44-3
	25	40-15	601-9	64-9	36-45	585-3	72-2	39-34	595-8	71-0	35-71	597-4	71-8	42-0	41-2	41-0	41-7
	26	33-09	598-9	67-9	35-17	593-2	73-0	46-68	542-4	135-5	39-54	596-6	86-5	40-9	41-8	43-0	44-7
	27	33-15	597-4	68-0	35-58	596-5	66-5	37-19	591-0	73-4	32-48	585-9	161-8	43-6	44-1	45-0	46-1
	28	34-50	586-9	50-7	36-72	594-5	68-2	35-24	594-7	80-6	34-90	595-1	76-4	42-5	42-1	42-8	43-5
	30	33-29	601-2	67-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	44-8	.....	.....	.....
	31	33-36	598-9	63-3	36-79	592-1	66-2	38-53	595-3	72-8	35-51	598-3	73-2	44-1	43-6	43-2	43-7

20 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1851.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Biflar and Balance.			
Civil Day.		Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Jan.	1	33-29	599-9	61-3	34-23	594-7	66-8	41-50	594-5	78-0	40-15	590-5	80-1	48-4	48-6	48-5	48-2
	2	33-15	599-1	63-9	34-30	591-4	68-4	35-71	591-7	73-4	34-84	597-3	73-9	49-0	47-9	47-8	47-4
	3	32-95	581-2	66-6	33-83	575-1	66-3	36-45	596-2	70-2	34-84	599-6	71-0	40-6	39-1	39-5	40-1
	4	33-56	601-4	65-7	35-51	592-2	68-1	36-92	600-3	68-0	34-77	603-4	74-6	34-3	33-3	33-1	33-3
	6	40-08	603-3	61-5	35-58	594-8	59-0	37-19	600-0	63-3	34-43	603-0	65-4	38-9	38-6	39-1	40-7
	7	32-89	603-2	60-5	34-50	599-4	58-6	37-46	598-5	60-9	34-70	605-0	62-4	37-0	35-9	35-4	35-2
	8	33-02	609-4	56-4	34-10	594-9	59-6	37-66	598-3	62-9	35-10	604-5	64-7	34-8	34-3	35-0	35-3
	9	32-82	603-7	60-9	35-44	594-5	61-2	38-20	599-8	62-2	35-37	601-6	63-4	36-0	36-0	36-8	38-3
	10	32-68	602-5	58-0	35-71	596-5	65-4	39-14	598-5	60-6	35-04	604-4	67-3	36-6	36-9	37-4	38-9
	11	33-22	603-4	57-9	35-37	598-7	65-0	37-73	599-8	57-4	34-63	602-3	59-2	46-2	46-6	47-3	47-7
	13	32-41	602-5	63-3	34-23	593-7	63-5	36-32	597-1	62-0	35-64	604-5	57-0	43-3	43-4	44-6	45-6
	14	32-01	602-4	56-5	34-77	596-8	57-6	38-53	600-5	57-3	37-73	601-0	61-0	45-5	45-4	45-7	46-0
	15	32-48	601-4	60-9	33-63	593-8	59-7	38-06	597-4	61-1	34-97	605-3	61-4	44-5	43-6	43-9	43-4
	16	31-81	599-0	61-3	34-37	590-8	60-3	35-31	601-9	73-0	39-68	610-1	72-7	43-1	42-1	41-6	41-5
	17	40-08	583-0	78-7	34-57	586-1	76-4	39-07	587-3	83-4	36-18	572-2	75-5	44-6	44-1	44-2	44-3
	18	31-74	590-2	73-9	34-30	572-6	73-3	40-70	581-3	99-9	35-10	591-9	95-5	41-6	40-6	40-9	41-6
	20	43-79	590-4	11-4	38-60	543-1	66-2	53-47	588-2	121-2	43-18	578-5	130-3	44-3	44-5	44-8	45-1
	21	33-11	576-6	79-2	34-23	593-9	77-0	40-15	580-4	82-8	36-65	602-0	114-0	44-0	42-3	43-1	43-6
	22	31-14	590-7	64-1	37-86	583-9	66-3	40-83	591-4	88-6	37-93	596-9	100-4	38-6	38-2	39-4	40-5
	23	33-15	591-7	71-6	34-63	588-4	76-6	42-58	581-1	84-7	38-80	590-1	87-9	38-7	38-9	39-5	41-4
	24	32-75	598-4	75-1	34-63	588-4	74-4	.....	.....	.....	.....	.....	.....	41-6	40-9	.....	.....
	25	33-15	597-8	72-7	32-75	586-5	68-0	39-61	588-0	66-5	34-77	594-9	72-3	40-6	40-1	40-1	40-0
Feb.	27	32-62	597-4	74-2	34-84	593-5	74-6	38-53	589-3	66-7	38-00	595-2	81-4	38-5	38-5	38-2	39-7
	28	33-09	601-1	67-2	35-10	591-0	63-8	38-00	596-3	68-8	35-84	596-3	66-5	38-3	38-0	39-5	40-5
	29	34-50	593-1	60-3	34-50	589-2	71-6	39-27	595-3	73-6	35-37	598-1	77-3	40-6	41-6	43-4	45-2
	30	32-89	593-5	71-1	33-56	588-5	71-7	37-66	593-0	67-6	35-24	594-5	69-6	41-4	40-6	41-0	42-1
	31	32-08	596-1	68-2	32-75	583-0	73-8	37-79	591-9	68-0	34-84	597-6	70-7	38-5	37-7	37-5	38-2
	1	32-35	608-2	62-6	34-03	596-2	62-8	39-75	601-1	64-7	38-40	602-2	70-3	38-0	37-3	37-6	38-6
	3	32-15	602-7	66-0	34-63	591-7	64-6	41-77	586-3	60-7	35-37	593-5	69-5	36-7	36-8	37-0	37-5
	4	32-35	597-9	67-2	33-36	590-9	69-4	36-05	596-6	54-9	34-16	599-3	65-1	36-2	36-2	37-0	39-4
	5	32-68	601-9	63-3	34-37	590-7	69-5	36-85	595-3	59-7	34-50	603-2	04-6	38-2	38-6	39-8	41-9
	6	37-26	592-7	62-5	37-19	580-9	72-3	40-22	582-5	84-8	34-77	590-3	87-3	40-7	40-0	40-2	41-2
	7	32-01	596-3	74-5	33-42	582-1	73-8	38-13	589-6	73-5	33-89	595-4	73-5	39-5	40-0	41-6	43-7
	8	29-85	597-2	73-7	33-96	605-8	67-2	38-87	572-0	49-6	34-23	599-3	69-0	44-8	44-0	44-2	45-1
	10	31-48	597-4	72-7	36-72	589-4	72-7	39-54	590-1	66-9	38-87	599-2	81-7	40-9	41-1	42-0	42-7
	11	30-94	595-0	62-5	33-89	588-8	68-4	37-19	599-4	77-6	36-45	597-8	78-4	44-3	44-6	45-3	45-9
	12	32-89	594-2	67-6	36-58	594-2	64-9	36-52	595-8	72-6	26-44	602-9	97-1	45-7	45-5	45-5	45-2
	13	32-48	595-8	68-3	34-16	593-0	68-0	35-98	580-9	72-1	35-78	598-1	72-4	41-3	40-3	40-5	40-8
	14	31-81	598-4	64-2	34-10	592-5	73-4	38-27	595-4	71-0	34-90	603-0	70-1	39-7	39-9	40-3	41-4
	15	31-74	599-5	57-2	33-56	598-2	60-8	38-33	600-2	66-5	37-12	600-1	71-9	40-9	41-2	43-1	44-7
	17	32-62	603-2	55-7	38-13	593-6	68-9	37-86	599-8	72-6	34-23	598-7	75-9	40-3	39-9	41-1	43-5
	18	33-76	601-8	59-7	33-70	591-7	63-7	36-65	599-1	60-5	40-76	618-0	73-2	43-0	43-2	44-2	45-2
	19	32-95	574-2	26-6	35-71	576-6	79-9	37-26	596-8	78-2	24-33	608-8	161-2	48-6	49-1	50-5	51-4
	20	33-49	583-9	74-3	34-43	574-6	74-6	41-50	603-9	85-3	33-89	613-1	88-3	48-1	47-2	47-1	47-5
	21	32-75	588-2	82-8	34-10	579-1	76-9	38-47	586-7	70-7	35-31	595-6	68-1	42-3	41-1	42-5	45-5
	22	32-08	592-1	74-3	37-32	581-1	69-8	39-14	579-0	71-7	34-97	599-4	83-3	39-8	38-0	38-4	40-9
	24	33-15	599-2	61-9	37-32	576-6	67-5	37-53	583-0	75-3	34-77	599-9	78-2	37-6	37-5	38-6	39-5
	25	38-80	595-5	38-9	34-77	586-8	59-1	41-23	594-7	84-2	34-43	595-9	75-9	39-7	39-5	40-5	41-4
	26	33-70	593-6	63-1	35-51	585-6	81-1	38-80	595-0	73-9	33-15	593-3	74-1	38-6	38-2	39-1	39-9
	27	30-59	594-6	71-6	34-23	580-5	66-9	38-53	587-7	66-5	33-83	593-8	71-7	38-0	37-6	38-4	39-6
	28	30-94	596-9	69-2	36-05	585-5	61-1	40-36	598-1	68-3	34-43	590-9	79-5	36-6	36-0	36-6	38-9

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Mar. 1		30-80	583-5	42-7	34-23	582-2	66-6	41-23	594-4	67-3	36-65	599-1	71-3	37-7	37-8	38-6	39-5
3		33-63	597-8	63-1	37-39	595-3	62-6	38-33	599-3	72-4	35-98	590-3	92-4	37-8	38-0	39-8	42-7
4		31-88	594-6	65-7	34-16	592-6	60-8	37-86	597-5	59-0	34-90	596-6	66-7	43-1	43-2	45-3	46-9
5		32-08	595-8	68-1	34-10	608-1	57-4	37-39	596-5	59-7	33-15	600-9	69-7	45-6	45-5	46-2	47-1
6		31-21	599-1	66-5	33-56	590-7	62-7	38-13	597-0	66-3	35-58	602-5	72-5	39-0	38-6	39-2	40-7
7		31-88	603-1	63-2	35-17	590-3	61-9	40-15	593-3	60-1	36-11	604-9	70-3	36-1	35-5	37-2	39-5
8		29-18	601-7	47-1	33-42	582-8	55-0	42-98	593-3	64-3	35-98	607-5	75-2	38-2	38-5	39-6	41-1
10		31-48	599-9	56-1	35-04	589-1	52-0	42-31	600-6	57-6	39-07	613-5	80-1	40-8	40-6	41-1	42-6
11		30-59	595-4	67-8	42-44	575-7	53-4	40-70	597-0	60-5	36-72	597-7	75-6	38-2	37-7	40-1	43-5
12		33-56	595-7	65-5	37-26	588-6	64-4	42-58	596-5	69-9	35-44	604-0	58-0	41-6	41-1	41-2	44-7
13		30-86	596-4	63-6	34-77	584-2	64-1	40-29	595-8	50-6	34-90	601-4	77-7	40-7	40-5	42-5	44-7
14		31-21	601-5	62-7	35-17	591-5	63-3	42-98	601-9	54-0	39-95	605-7	77-5	42-4	41-9	43-4	45-1
15		32-48	589-5	63-0	37-06	580-8	58-4	42-58	602-1	68-3	35-44	601-8	76-8	43-0	42-9	44-7	47-7
17		30-33	601-1	64-4	33-76	586-7	62-8	40-89	595-4	58-9	34-63	606-5	73-4	41-2	40-4	41-0	42-1
18		30-07	600-2	64-0	34-10	588-4	68-8	38-80	597-7	55-1	34-30	598-1	68-5	39-6	39-4	39-7	39-8
19		30-19	600-0	69-1	32-68	585-7	58-4	34-63	597-0	49-5	35-44	604-0	58-0	40-2	41-1	42-8	44-7
20		30-12	610-3	57-4	32-68	598-5	45-1	36-25	604-9	55-9	42-44	595-2	83-2	43-0	43-2	45-1	46-9
21		29-33	595-0	62-6	33-15	583-8	49-0	39-48	604-9	57-4	36-25	614-8	57-0	43-7	43-1	43-5	44-7
22		26-16	601-0	60-6	32-08	587-4	60-5	35-71	598-9	102-6	37-39	603-7	65-7	42-9	42-9	44-4	46-0
24		30-86	602-7	60-8	34-57	591-0	54-1	40-56	597-5	53-7	34-37	606-3	67-4	44-3	44-0	44-3	45-0
25		30-00	601-6	65-2	31-34	606-1	50-7	40-49	598-6	47-5	34-97	593-2	73-0	44-0	43-4	43-8	44-2
26		39-33	599-9	66-0	32-08	583-8	60-0	39-75	594-1	60-1	34-23	605-1	62-8	43-9	43-8	44-2	44-6
27		28-72	605-8	59-4	31-14	589-8	50-3	39-54	595-3	88-1	36-58	605-7	61-5	41-6	41-8	43-3	44-8
28		31-44	596-5	51-4	30-86	608-7	55-0	42-44	586-5	56-5	36-52	600-8	59-3	43-0	43-1	44-5	45-8
29		35-10	602-8	19-0	37-86	569-4	32-9	41-23	601-8	64-9	37-12	603-3	46-3	42-5	42-8	44-8	46-4
31		28-58	596-5	62-9	32-35	583-7	58-2	42-24	594-1	58-1	36-99	605-1	59-2	41-6	41-7	43-0	44-1
April 1		28-92	598-5	62-1	32-55	603-0	58-7	34-63	596-9	53-0	37-46	605-6	67-7	43-4	43-3	44-9	46-7
2		25-83	598-8	58-4	35-04	606-9	50-0	41-90	601-3	48-1	36-79	612-3	54-5	45-2	45-5	46-6	48-3
3		27-91	602-6	64-3	33-56	583-8	47-4	41-16	598-7	48-2	36-65	609-9	60-5	46-3	46-4	48-0	49-5
4		27-71	604-6	46-0	34-43	606-7	38-3	35-71	590-1	50-0	31-81	612-8	71-3	45-8	45-6	46-5	48-7
5		27-64	593-9	59-9	32-28	607-4	48-0	42-24	611-5	49-5	40-29	625-8	81-0	44-9	45-1	46-9	47-7
7		28-58	602-1	50-6	32-82	584-0	55-4	42-04	596-2	46-2	37-93	610-9	74-0	43-4	44-1	46-5	47-6
8		26-03	598-7	51-6	31-54	580-1	58-0	42-17	594-9	59-6	36-79	606-9	60-6	42-0	41-3	41-5	42-0
9		27-64	604-0	60-8	32-48	587-7	51-9	42-17	594-8	48-1	35-24	609-2	52-2	41-0	41-7	43-0	44-8
10		27-11	601-7	58-0	32-62	588-3	51-5	.....	.....	.....	36-92	612-1	70-1	40-7	40-8	.....	45-2
11		27-44	603-5	58-6	29-25	588-6	58-6	40-36	594-9	44-3	37-53	605-3	48-8	42-0	41-8	44-3	46-3
12		27-85	604-8	68-5	37-19	590-4	49-6	39-27	593-8	39-8	34-43	604-4	72-6	43-6	44-0	45-8	46-4
14		28-04	604-0	53-0	33-89	585-6	46-4	40-63	587-5	57-9	35-58	602-9	51-5	42-0	42-4	43-6	45-1
15		26-10	600-6	60-7	32-21	589-1	38-4	43-85	588-7	45-3	35-84	606-3	66-9	42-5	42-8	44-3	45-6
16		26-70	600-1	65-5	30-73	579-5	65-1	41-57	594-3	51-6	36-38	612-8	63-9	42-9	43-2	44-9	45-6
17		26-29	602-9	56-4	31-54	580-4	44-0	46-01	602-6	44-9	37-12	617-2	82-5	44-0	43-9	44-0	44-6
18		25-96	598-2	65-8	34-16	599-3	106-0	.....	.....	.....	35-31	603-6	67-2	45-9	47-4	.....	50-5
19		26-43	602-4	58-9	32-08	580-9	61-3	40-49	611-4	49-1	34-37	605-2	60-2	46-3	46-4	47-8	50-7
21		38-53	593-2	29-0	35-98	573-5	54-3	39-68	599-0	69-9	33-96	601-4	131-7	52-2	52-2	53-4	55-1
22		29-05	595-9	58-8	35-31	579-9	62-7	40-70	590-2	62-9	36-65	604-6	85-4	51-1	51-2	52-2	54-4
23		26-70	600-9	81-9	31-21	5-9-0	60-7	39-81	592-1	74-3	34-10	604-9	84-1	50-5	50-0	51-1	52-1
24		28-92	586-5	79-7	33-63	598-2	92-0	38-00	592-4	65-3	31-21	607-8	75-9	47-0	46-7	47-3	48-9
25		29-52	596-6	70-3	31-67	588-1	80-8	38-68	594-7	54-9	36-85	614-3	80-6	46-6	47-0	48-7	50-3
26		25-69	594-5	74-5	31-67	583-4	68-0	39-41	599-5	38-1	36-52	602-3	73-4	46-1	45-4	46-4	47-2
28		28-18	608-7	26-4	31-41	603-0	49-7	38-94	602-8	53-3	35-78	610-1	65-7	39-6	40-8	41-6	43-0
29		26-97	608-2	52-0	31-34	586-4	64-6	38-94	595-2	56-0	34-57	607-8	52-3	40-6	40-9	42-0	43-3
30		26-83	600-2	58-8	28-52	587-2	57-9	35-78	598-9	35-2	34-43	618-2	68-1	42-0	42-0	43-9	46-2

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Biflar and Balance.			
Civil Day.		Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifl. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		*	*	*	*
May	1	27-91	601-9	58-9	30-19	589-9	54-2	39-68	600-5	42-6	37-59	621-1	65-3	42-5	43-0	45-0	46-5
	2	24-75	573-4	36-4	37-93	562-5	52-4	39-54	584-2	143-1	37-59	613-2	92-8	44-6	44-9	46-0	47-1
	3	33-09	590-7	44-5	29-66	591-1	63-7	38-53	594-4	73-6	36-05	627-9	97-4	44-1	44-4	45-2	46-1
	5	25-69	591-4	52-7	26-43	585-6	41-2	.....	.....	.....	.....	.....	.....	40-9	41-3	.....	.....
	6	27-44	604-5	53-8	29-12	588-2	51-6	38-00	581-7	59-5	36-38	608-9	83-0	41-4	42-1	43-8	45-7
	7	30-73	594-5	62-1	30-80	583-3	68-8	42-04	594-2	59-9	35-44	604-1	68-3	45-4	46-1	48-3	50-2
	8	33-76	588-9	41-7	39-61	564-2	44-3	.....	.....	.....	39-95	598-0	134-1	47-9	48-6	.....	52-5
	9	26-36	595-0	63-7	31-41	582-1	67-7	36-05	595-7	74-6	34-23	613-7	62-9	50-4	51-1	52-6	54-1
	10	25-96	591-6	65-9	33-63	582-4	57-3	.....	.....	.....	35-44	612-4	61-1	52-5	54-1	.....	58-3
	12	26-64	596-6	47-8	31-94	587-3	52-4	.....	.....	.....	35-31	612-2	64-0	49-6	50-2	.....	53-0
	13	26-83	583-5	63-5	33-15	584-8	33-5	39-61	597-4	53-5	34-37	627-3	76-9	47-0	47-4	50-4	53-6
	14	29-39	602-7	55-4	32-08	595-5	52-7	39-41	600-5	52-1	36-32	620-4	69-4	49-4	49-9	52-7	56-5
	15	27-85	593-9	62-0	31-21	588-6	66-2	38-00	591-0	59-2	34-84	605-9	69-1	51-2	51-2	53-5	56-0
	16	27-44	600-2	68-5	30-00	595-2	39-3	41-10	595-8	53-6	39-01	611-5	54-6	54-6	53-8	54-7	56-4
	17	39-84	602-3	28-5	39-81	571-3	60-7	43-99	582-1	39-1	35-64	609-0	89-6	53-2	53-8	56-3	58-3
	19	27-50	602-5	59-9	30-86	584-2	56-9	36-92	594-8	53-4	32-28	612-8	69-7	51-6	51-6	52-4	53-8
	20	26-90	595-1	66-2	35-24	591-8	47-1	37-59	599-7	39-8	35-31	610-4	65-3	49-6	50-4	52-6	55-0
	21	28-92	600-9	68-4	34-50	598-1	60-9	36-45	605-1	49-0	33-83	606-6	59-4	54-0	55-8	58-3	59-8
	22	24-81	601-7	60-0	32-21	587-7	47-3	35-51	601-4	45-6	34-23	610-5	51-4	58-3	58-2	60-5	60-9
	23	28-52	596-1	68-7	32-28	590-1	46-1	37-46	602-9	33-4	33-36	609-5	74-7	54-2	54-6	55-6	56-9
	24	22-33	598-6	50-5	35-04	587-7	26-1	44-32	599-1	40-2	41-77	627-9	69-1	53-0	53-6	56-3	58-6
	26	25-55	599-1	63-3	28-18	581-6	64-3	39-68	601-2	51-0	35-78	608-7	65-7	52-0	52-4	54-0	54-8
	27	27-03	596-6	51-9	35-91	592-0	40-1	39-14	596-7	36-0	35-51	612-7	59-1	50-0	50-9	52-8	54-4
	28	24-68	603-0	61-1	32-01	580-6	56-4	38-20	592-9	60-1	33-83	611-6	67-0	53-1	54-1	57-0	60-4
	29	23-94	596-0	60-2	34-10	586-3	45-8	39-95	592-8	46-2	34-63	615-9	67-6	58-7	59-0	61-9	64-1
	30	25-43	596-3	68-1	32-08	583-0	65-1	37-66	603-6	57-7	34-43	614-4	73-1	59-1	59-6	61-4	63-0
	31	23-31	594-8	51-8	31-21	586-0	52-4	40-22	597-4	52-1	35-91	619-3	72-4	55-7	55-9	59-0	63-7
June	2	26-43	600-8	57-7	34-84	583-7	51-7	43-32	601-5	49-1	38-00	613-4	61-3	58-1	59-1	60-8	61-9
	3	28-01	604-4	61-9	31-14	600-1	54-9	41-43	596-7	49-4	36-79	612-1	48-2	58-5	58-2	58-4	58-1
	4	26-43	592-7	48-6	32-62	593-4	48-9	40-70	608-8	54-0	39-41	611-9	62-9	48-2	48-6	50-4	52-8
	5	24-68	603-0	57-4	28-92	591-8	53-9	39-48	599-9	58-7	39-14	612-5	69-8	47-8	48-2	49-6	51-6
	6	28-04	580-0	61-8	35-17	573-1	53-4	38-74	594-3	81-7	35-51	631-8	85-3	49-1	49-8	52-0	54-7
	7	27-03	587-9	31-8	31-07	578-4	61-2	37-06	605-4	57-6	34-50	606-0	67-8	51-5	52-6	55-6	57-7
	9	28-24	593-6	59-0	34-70	592-7	45-0	36-85	610-2	58-8	35-71	622-5	81-3	54-7	54-8	57-0	59-5
	10	24-95	593-5	62-6	33-96	588-7	58-9	38-00	598-1	64-8	34-90	602-4	88-4	53-7	53-0	54-4	57-0
	11	26-83	613-3	64-4	34-63	582-3	50-8	39-68	597-7	63-8	48-90	604-6	67-4	52-3	53-0	55-0	56-8
	12	26-10	595-3	64-8	35-84	584-1	43-3	41-57	602-1	48-7	34-43	609-6	63-8	52-3	51-9	52-5	53-5
	13	25-32	592-6	67-0	29-39	590-8	60-0	36-92	601-1	60-5	33-22	613-7	61-6	52-4	52-6	53-9	55-6
	14	35-58	587-3	30-0	33-09	569-0	54-0	39-48	616-8	61-4	43-58	616-5	111-0	53-6	54-4	56-8	58-2
	16	27-18	593-0	60-3	33-63	580-3	66-1	39-21	597-4	55-1	36-18	611-7	78-7	54-5	54-8	55-9	56-7
	17	26-23	588-6	68-0	30-26	574-7	56-4	38-87	596-6	49-5	33-70	615-7	76-4	53-6	54-1	55-4	57-8
	18	26-16	589-9	64-0	29-59	582-2	52-8	37-53	600-7	54-3	33-70	613-1	65-7	53-8	54-1	54-7	56-5
	19	26-97	597-3	58-7	33-09	581-0	52-0	37-53	600-7	57-3	.....	.....	.....	58-0	59-3	60-7	.....
	20	25-83	591-0	58-0	32-35	585-9	52-7	37-26	597-4	31-0	34-50	610-7	56-8	55-8	56-4	55-7	59-9
	21	30-73	605-1	35-9	31-94	586-0	57-8	41-37	587-7	41-1	35-64	610-8	51-6	58-7	60-0	62-4	64-7
	23	26-29	593-5	80-0	32-62	592-5	71-6	36-72	600-6	68-6	34-97	610-4	84-0	57-7	57-0	58-1	59-1
	24	24-68	592-2	81-3	31-74	616-8	62-9	35-17	606-7	70-5	35-51	607-7	78-3	55-7	56-5	58-5	60-1
	25	24-28	600-5	70-3	32-41	597-1	71-2	37-19	601-1	72-1	34-77	605-8	79-1	59-5	60-9	62-5	64-1
	26	24-28	597-2	75-1	30-19	595-1	67-4	36-85	605-9	57-5	36-58	619-7	71-1	60-4	61-0	63-1	65-7
	27	24-68	599-2	74-1	32-62	590-8	63-2	39-61	614-3	64-4	38-13	619-1	96-1	62-2	62-9	66-2	69-1
	28	27-85	583-7	77-2	37-26	591-8	78-5	39-34	601-3	83-5	33-15	626-5	93-3	64-5	65-6	68-1	72-5
	30	22-93	589-0	116-8	31-54	580-2	100-3	40-22	594-8	104-0	36-18	606-4	115-7	70-7	70-9	73-0	75-5

DAILY OBSERVATIONS OF MAGNETOMETERS DURING JULY AND AUGUST, 1851.

23

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
July	1	24-40	591.9	115-4	31-40	577.8	117-9	39-34	590-6	110-5	35-51	607-4	115-1	68-9	68-8	71-0	74-1
	2	23-80	589-6	111-0	29-04	580-0	104-5	38-53	592-8	105-6	35-37	614-1	114-3	68-6	67-1	66-6	65-3
	3	23-80	601-7	105-6	30-72	598-5	25-3	47-62	630-1	104-8	41-16	611-1	140-6	55-4	56-0	57-1	58-2
	4	25-14	585-6	114-5	30-86	587-9	115-7	37-93	595-8	110-7	32-48	608-3	140-9	54-5	55-0	58-0	61-6
	5	26-02	589-4	69-9	31-06	586-1	108-8	36-85	588-1	118-6	35-44	604-6	115-8	57-6	58-2	60-4	62-6
	7	23-73	598-4	107-5	31-20	589-4	112-7	37-46	588-5	100-5	34-70	602-5	108-8	61-8	62-6	64-5	65-1
	8	24-74	595-0	92-0	31-47	588-0	101-6	36-25	599-7	96-0	32-82	614-5	103-9	61-6	61-8	61-6	62-5
	9	25-48	596-7	115-3	29-39	591-2	92-9	37-53	610-2	101-9	31-81	613-5	124-9	57-5	57-7	58-7	59-6
	10	26-15	601-3	126-9	36-45	601-3	96-7	39-88	608-6	53-7	34-57	611-5	107-5	55-2	54-6	55-1	55-9
	11	28-64	611-7	108-1	30-86	597-2	108-9	35-44	613-6	107-9	33-49	633-9	113-9	53-4	54-3	55-4	56-4
	12	28-71	599-5	105-6	31-06	596-6	96-3	38-00	621-0	94-3	32-95	622-9	119-1	58-2	59-6	61-1	63-6
	14	25-34	667-4	97-1	33-63	592-7	103-9	37-12	605-9	95-7	37-46	663-8	151-3	60-6	60-9	62-0	62-4
	15	33-63	576-0	70-0	31-74	586-0	116-2	38-27	613-6	110-5	34-84	621-8	118-1	57-2	57-9	59-3	60-7
	16	25-81	596-7	87-8	32-28	585-7	95-0	38-13	602-4	103-3	35-78	620-2	102-1	55-6	55-7	56-2	57-8
	17	25-95	606-6	114-4	30-32	596-6	97-3	40-42	607-2	98-7	38-80	655-0	125-3	56-6	57-5	59-6	62-4
	18	23-58	601-3	95-0	30-86	582-5	101-8	36-25	606-8	115-8	.....	.....	.....	57-9	58-1	60-2	.....
	19	27-77	579-8	108-4	29-85	590-9	116-2	40-22	603-3	118-8	35-17	631-4	120-6	57-2	57-7	60-3	61-9
	21	25-07	602-7	116-9	32-01	595-6	105-9	37-26	603-9	105-9	34-37	619-7	111-1	61-1	60-6	61-2	62-6
	22	26-55	600-3	110-9	31-27	598-0	108-5	36-25	610-5	107-0	33-09	623-9	114-6	58-0	58-3	61-2	63-0
	23	30-32	601-0	104-1	32-82	596-0	105-1	37-93	598-3	112-8	27-70	611-6	125-3	59-7	60-2	62-4	64-3
	24	34-97	601-2	128-3	34-50	601-3	112-4	40-83	605-1	113-0	32-48	613-0	129-9	59-3	59-7	61-2	62-9
	25	28-03	595-5	109-1	33-63	601-4	107-6	.....	.....	.....	34-50	611-7	118-4	57-6	57-7	.....	59-2
	26	28-97	605-5	109-1	33-09	594-6	108-5	34-23	603-0	118-8	33-42	604-0	167-6	56-0	56-5	58-0	59-3
Aug.	28	25-88	598-1	118-6	28-50	594-0	99-2	35-24	607-7	112-2	31-06	617-1	113-1	60-0	61-6	63-5	65-4
	29	23-73	610-9	91-8	31-88	607-2	84-9	40-22	635-4	82-0	36-58	634-9	129-2	62-8	63-7	65-7	66-4
	30	26-62	599-9	112-1	30-52	587-7	114-6	41-70	605-6	102-4	33-63	621-7	123-1	59-8	59-5	59-7	60-3
	31	26-82	599-1	111-4	28-17	590-3	97-3	37-26	601-4	99-1	33-02	616-8	111-8	57-7	57-9	58-7	60-3
	1	27-97	603-0	122-6	31-20	594-7	99-5	38-20	614-1	103-6	33-22	613-7	113-8	60-9	61-0	62-0	63-6
	2	23-73	602-0	108-5	30-86	595-7	97-3	37-32	609-7	95-6	33-89	617-2	111-6	58-5	58-9	61-2	63-7
	4	28-23	593-4	111-4	29-33	593-3	101-9	35-24	611-1	115-9	33-42	610-2	114-9	62-6	62-3	63-7	65-9
	5	27-57	599-8	111-9	29-71	599-6	107-6	37-66	602-4	110-1	34-03	623-5	106-8	58-7	59-1	61-5	63-9
	6	27-77	595-4	109-7	33-56	592-6	112-5	39-54	613-6	110-6	32-48	611-4	116-4	57-6	57-1	59-3	62-8
	7	32-62	578-5	55-1	30-05	573-4	97-4	39-27	622-2	119-9	34-10	612-8	113-6	57-2	57-3	59-7	62-4
	8	28-30	598-4	99-8	33-96	591-9	101-9	38-40	612-1	160-9	30-92	607-7	133-4	59-4	59-1	59-6	60-9
	9	29-11	608-9	110-1	36-32	597-2	107-9	40-01	620-8	113-1	29-65	609-3	136-1	57-2	57-2	58-2	59-6
	11	26-75	601-3	114-5	30-45	585-3	117-2	38-40	602-5	114-8	36-25	648-3	117-3	55-6	56-2	58-0	59-4
	12	26-16	604-6	114-4	32-08	599-0	101-4	.....	.....	.....	31-47	610-3	118-3	59-0	60-8	.....	67-7
	13	26-15	598-2	108-0	32-62	593-3	101-1	36-11	610-0	113-3	30-59	614-6	118-5	66-4	65-9	67-4	69-0
	14	27-10	598-7	109-5	34-57	598-4	101-6	41-10	612-5	109-2	32-68	617-0	117-8	64-4	64-6	66-5	67-1
	15	24-60	603-1	106-4	33-76	596-4	95-7	37-26	608-4	96-2	31-47	613-6	114-6	60-9	62-1	64-2	66-5
	16	27-77	600-0	108-2	29-51	595-0	100-0	37-12	612-6	96-4	32-48	618-0	107-7	62-2	62-6	63-6	64-4
	18	27-24	608-2	111-0	30-05	591-8	97-0	36-85	608-0	96-9	32-35	621-5	107-4	54-8	55-4	57-2	59-4
	19	24-47	602-2	110-7	31-34	600-2	81-2	38-13	615-9	100-2	31-60	613-9	109-5	56-1	53-8	58-0	60-0
	20	26-42	602-1	110-4	31-94	597-4	99-3	37-06	616-1	98-5	32-15	616-8	103-8	60-7	60-9	62-8	64-4
	21	26-82	599-1	91-8	34-43	585-9	94-7	42-24	601-9	106-4	30-79	615-1	111-2	61-4	61-8	63-3	66-0
	22	27-50	593-9	113-5	32-68	616-7	103-6	38-20	615-2	117-9	30-99	616-7	113-3	63-2	62-9	63-0	63-7
	23	25-61	604-5	101-9	34-63	606-0	96-3	39-27	627-4	99-9	32-08	613-9	122-6	59-7	59-8	61-0	63-3
	25	25-75	582-7	110-2	33-09	591-5	108-3	29-24	597-8	106-5	35-10	620-1	108-8	52-6	53-4	55-8	58-3
	26	25-28	590-8	116-2	32-75	583-1	102-9	37-39	601-0	107-6	25-61	619-2	135-7	56-1	56-2	58-0	59-9
	27	25-34	586-2	115-9	32-68	583-9	102-8	36-32	609-1	110-0	30-05	601-8	120-7	57-3	57-9	59-4	60-3
	28	25-96	590-1	114-3	32-62	588-9	104-6	35-84	607-9	113-3	29-45	607-4	113-2	55-7	55-1	56-3	57-8
	29	27-24	598-0	110-0	33-76	597-9	103-0	39-14	594-7	91-9	31-06	604-4	125-0	53-2	52-9	53-3	54-0
	30	26-82	593-0	111-0	32-55	585-9	106-1	39-95	612-5	101-9	33-49	630-7	132-3	52-1	52-1	53-2	55-0

24 DAILY OBSERVATIONS OF MAGNETOMETERS DURING SEPTEMBER AND OCTOBER, 1851.

Göttingen Mean Time.	Civil Day.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Sept.	1	29-24	596-3	113-9	33-49	587-0	110-2	35-37	615-1	118-7	30-25	614-3	123-4	58-2	59-4	61-5	62-7
	2	30-52	588-0	107-5	35-71	587-6	109-6	37-06	613-1	130-7	32-75	624-3	140-1	61-3	62-6	64-8	67-6
	3	25-75	601-0	112-0	34-30	581-5	109-0	38-53	599-7	97-7	17-40	641-7	164-9	65-4	66-0	66-2	70-2
	4	53-88	*	4-6	48-97	535-8	118-8	45-74	612-4	241-0	25-54	732-6	306-4	65-1	65-2	65-9	66-1
	5	40-42	577-8	81-3	29-18	570-9	129-6	37-32	573-2	138-2	33-02	591-2	132-1	58-9	58-7	59-1	60-2
	6	27-37	577-3	121-4	33-83	575-9	125-1	35-78	597-3	116-3	29-11	594-6	120-8	52-5	52-6	54-2	55-9
	8	37-53	530-7	81-8	38-87	569-8	122-3	39-14	591-8	134-1	31-47	614-2	156-6	52-1	53-5	55-8	58-5
	9	27-97	580-9	101-8	32-41	569-4	117-1	33-83	599-3	123-7	29-11	606-7	125-4	51-1	50-8	52-8	56-0
	10	27-03	578-1	133-1	30-39	578-3	126-6	35-04	597-1	123-2	33-36	599-8	122-7	51-0	50-7	53-8	58-1
	11	25-95	588-7	130-2	30-66	584-9	121-0	37-26	612-2	111-5	35-78	615-4	131-6	53-6	53-0	56-5	60-5
	12	31-06	568-0	118-2	40-08	579-2	110-4	37-73	607-1	114-0	32-15	601-0	123-7	54-7	53-8	56-5	61-1
	13	26-16	587-6	131-7	31-81	578-9	125-8	36-65	602-0	118-0	31-88	610-0	170-8	55-1	53-9	56-7	60-7
	15	24-80	607-6	106-8	32-82	591-2	107-9	37-66	604-3	111-6	38-13	616-4	129-1	56-4	55-7	58-4	62-6
	16	25-01	597-4	122-5	29-51	585-1	120-8	36-58	600-3	119-1	32-55	611-9	127-5	58-5	57-1	59-1	62-0
	17	25-61	591-3	127-7	31-13	585-6	120-9	36-72	600-8	120-3	32-15	609-5	134-7	56-6	56-0	56-1	57-2
	18	27-37	595-5	127-2	30-86	585-7	122-0	34-84	605-6	118-9	31-20	606-9	120-9	55-6	55-1	56-5	56-9
	19	27-44	600-2	123-7	30-92	582-9	119-0	35-91	596-3	114-2	35-51	623-0	133-8	54-3	53-9	54-3	55-5
	20	26-55	595-2	118-1	30-66	592-7	113-6	35-04	597-6	114-4	30-12	602-8	124-3	51-9	51-6	54-2	57-8
	22	24-47	600-2	119-2	32-55	592-3	116-3	34-77	603-5	104-7	30-59	602-4	119-0	54-2	53-9	55-8	57-3
	23	26-69	604-9	118-6	29-78	592-6	113-4	34-03	604-3	110-5	30-59	614-8	117-5	57-6	58-2	59-7	60-7
	24	27-37	603-5	116-7	34-16	587-1	108-6	35-98	600-9	106-3	32-21	608-5	127-1	59-2	59-5	60-6	63-6
	25	26-28	600-9	115-4	28-50	586-5	111-9	34-70	596-9	105-2	31-27	615-3	113-1	59-1	58-5	57-1	55-2
	26	31-06	603-0	106-9	35-84	579-5	105-0	39-34	602-3	112-8	35-58	613-2	141-1	46-5	45-8	45-2	45-8
	27	25-68	604-9	108-3	32-08	559-6	120-5	41-30	597-2	126-8	33-70	609-6	159-9	47-3	47-7	48-4	49-0
Oct.	29	27-24	587-8	116-3	31-47	564-5	121-4	36-32	603-3	134-9	30-94	619-4	161-6	48-3	48-3	49-5	50-6
	30	30-59	565-1	140-8	35-61	584-6	105-3	37-32	598-3	142-7	29-33	602-7	145-5	50-2	50-6	51-9	53-5
	1	25-01	593-2	126-1	27-83	575-4	124-1	34-23	592-7	137-4	30-45	594-7	127-0	52-0	52-1	54-6	52-7
	2	24-60	594-7	127-3	13-10	*	138-9	45-94	615-5	139-4	39-41	692-7	301-0	52-7	52-0	53-5	55-6
	3	24-54	596-2	132-6	28-37	582-6	121-9	33-15	588-4	122-4	31-20	598-8	120-1	52-0	52-0	53-3	54-0
	4	27-30	591-4	125-5	30-25	576-2	128-6	41-16	598-3	118-6	30-18	600-4	117-5	53-0	53-2	54-1	55-7
	6	25-95	598-4	117-3	28-84	591-9	109-9	34-63	601-5	110-8	30-12	604-5	113-4	48-7	48-2	49-3	50-6
	7	26-28	601-9	111-8	30-45	593-0	114-0	34-70	602-5	112-3	31-54	611-6	114-0	48-7	49-9	51-0	52-1
	8	26-22	606-8	109-3	28-30	593-5	113-7	34-97	599-8	111-0	29-78	605-0	121-4	47-0	46-9	49-0	50-8
	9	27-03	606-4	110-8	29-38	587-9	110-7	34-03	598-1	109-5	31-67	609-3	114-5	47-4	47-3	47-8	49-4
	10	35-17	606-4	91-8	28-30	593-2	106-7	32-62	598-1	104-5	33-29	604-1	127-1	50-1	50-8	52-8	54-4
	11	35-91	609-2	95-2	35-17	583-7	112-9	37-73	583-2	118-4	35-31	584-7	139-2	56-1	57-3	58-1	58-6
	13	27-70	606-6	105-6	27-50	592-5	112-1	36-38	599-9	102-4	30-79	611-6	112-7	54-1	55-2	56-1	56-7
	14	25-68	603-6	107-4	31-54	598-2	98-3	36-58	605-2	109-9	22-32	614-1	147-6	50-0	50-3	51-4	53-1
	15	27-17	605-4	114-8	29-45	586-8	103-5	34-90	603-8	102-2	30-86	611-7	102-6	51-6	51-1	51-5	52-3
	16	26-75	610-7	104-5	27-44	602-0	104-2	34-84	607-7	101-6	31-06	613-5	103-1	44-7	44-4	46-6	49-2
	17	27-70	607-0	109-2	28-64	598-4	105-3	33-15	603-7	51-8	31-88	619-2	102-5	44-7	44-4	47-6	49-8
	18	25-28	612-2	105-5	27-24	604-3	100-2	36-99	614-3	98-9	38-47	615-4	124-6	50-5	52-2	53-4	54-4
	20	26-22	603-0	117-3	30-86	587-7	112-3	36-85	604-1	113-9	31-34	623-2	115-5	55-0	54-7	55-2	55-4
	21	26-75	583-4	99-8	30-86	590-7	113-1	33-56	609-8	116-7	30-52	611-4	115-8	55-4	55-2	56-1	56-8
	22	25-28	615-4	108-5	30-59	590-2	115-2	34-81	593-9	117-3	33-15	600-8	126-9	54-8	54-7	55-3	56-5
	23	25-61	602-8	109-9	33-02	579-3	106-7	39-68	607-6	111-3	30-99	607-3	137-8	55-0	54-6	54-6	55-5
	24	33-36	601-8	83-9	35-24	579-5	105-7	36-99	598-6	127-9	25-28	607-6	154-7	52-4	51-3	52-3	55-0
	25	28-97	603-3	101-9	33-56	582-6	111-5	35-37	612-4	121-9	27-03	614-2	133-9	49-1	48-1	49-2	52-4
	27	28-17	607-9	93-8	35-51	591-0	104-9	37-06	599-9	120-3	31-27	612-6	121-5	53-1	53-1	54-0	55-4
	28	26-49	608-6	107-9	28-85	589-8	113-5	35-17	603-6	110-6	32-82	617-7	104-4	48-8	49-7	51-1	51-1
	29	41-30	560-1	95-0	37-86	576-3	125-3	32-89	581-8	129-2	31-34	600-9	125-5	45-0	44-4	44-6	43-7
	30	26-49	593-2	119-1	31-60	582-2	127-3	34-16	589-6	127-4	29-85	597-1	122-3	42-9	43-0	44-0	44-6
	31	27-17	605-8	113-8	29-85	593-9	115-1	31-20	600-2	116-7	29-04	602-1	111-7	42-0	41-6	42-0	42-7

* Out of field.

DAILY OBSERVATIONS OF MAGNETOMETERS DURING NOVEMBER AND DECEMBER, 1851. 25

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Nov. 1	27-83	611.3	100-8	30-59	600-0	108-0	32-41	608-1	107-7	29-33	613-0	104-9	41-7	41-8	43-8	45-6
3	26-35	608-4	102-5	31-74	603-8	101-4	36-11	607-7	114-6	26-55	609-3	122-2	38-4	37-7	39-1	40-6
4	28-03	605-2	96-1	31-34	600-2	104-1	35-91	601-1	108-5	30-92	591-6	94-7	34-7	34-2	35-2	35-6
5	32-08	608-3	95-4	32-95	606-2	94-9	35-78	606-7	101-3	31-13	607-8	107-1	34-9	35-5	37-5	40-0
6	27-57	614-7	94-8	31-47	605-2	101-9	32-35	603-5	105-2	28-44	611-0	105-4	41-8	42-0	42-7	43-7
7	26-96	615-2	103-1	29-04	598-7	103-0	32-48	607-4	100-3	28-50	613-4	104-8	42-3	41-6	42-2	42-6
8	27-17	613-3	94-3	30-72	601-0	103-4	33-63	601-2	100-1	29-38	614-3	102-4	42-4	42-2	42-8	43-8
10	25-54	622-4	78-4	26-42	607-5	86-0	39-01	608-1	102-3	30-12	612-8	107-0	42-4	41-8	42-3	43-3
11	26-42	617-2	91-8	30-18	613-8	87-2	34-23	609-7	93-4	33-15	618-0	102-8	45-0	45-3	46-5	46-9
12	27-50	613-0	95-4	29-33	602-5	94-8	31-13	612-1	97-5	29-45	617-8	99-6	43-6	42-5	43-0	45-2
13	27-70	615-7	93-6	28-78	605-0	95-9	31-13	610-9	99-1	31-67	615-4	106-1	41-8	41-7	42-7	44-2
14	26-75	612-5	97-8	29-78	606-2	96-9	30-92	607-7	98-5	31-74	614-5	110-8	41-4	40-5	40-3	40-1
15	26-02	615-9	92-3	28-91	615-7	91-4	32-55	615-7	95-0	29-85	616-9	101-5	38-0	37-6	38-0	38-7
17	27-77	615-2	93-2	29-58	608-0	96-2	34-63	610-8	101-2	26-44	615-1	112-4	33-5	32-9	33-4	34-3
18	27-70	614-5	95-0	29-51	606-8	94-3	32-21	613-3	99-0	30-39	608-9	101-4	33-1	32-8	33-7	34-5
19	27-90	613-6	96-2	29-18	607-1	94-9	32-15	613-3	95-2	29-51	619-4	96-6	31-9	31-4	32-2	33-1
20	28-50	622-6	88-9	27-00	608-9	95-9	30-12	611-1	89-8	28-78	617-4	93-6	34-3	34-4	34-9	36-3
21	27-37	619-3	88-1	29-11	613-5	86-2	.....	.....	.....	22-79	612-7	112-2	38-2	38-7	.....	40-3
22	40-70	614-5	74-9	31-47	601-8	86-0	30-25	604-7	150-0	24-33	615-8	168-5	39-0	38-6	40-0	41-6
24	32-21	598-2	89-8	34-10	594-3	102-3	35-98	598-9	116-4	32-55	604-7	137-1	38-1	37-5	38-6	40-6
25	27-77	607-7	100-9	28-50	602-8	98-4	30-79	609-2	97-8	29-92	617-8	101-2	36-1	34-8	35-1	36-5
26	27-77	614-8	95-0	28-78	606-7	96-7	31-40	611-4	96-3	29-04	616-7	98-7	36-2	36-4	37-7	39-0
27	27-37	614-4	93-4	30-39	609-2	96-0	31-27	612-4	96-8	28-44	619-6	96-4	37-4	37-1	37-3	38-0
28	26-96	606-8	95-5	30-12	607-3	92-1	31-60	612-0	95-8	28-97	612-7	102-3	36-7	36-3	37-0	38-9
29	27-24	613-7	92-7	28-91	606-0	92-7	31-81	618-0	94-4	30-39	621-9	95-6	33-6	32-4	32-6	33-8
Dec. 1	28-03	617-4	94-6	29-45	611-7	95-5	32-01	617-5	98-1	30-66	615-0	102-7	32-5	33-1	34-9	35-5
2	28-17	611-6	89-2	31-20	610-2	94-3	30-12	614-9	96-4	27-03	616-6	99-6	31-9	31-1	31-6	33-3
3	27-03	616-4	91-6	29-04	613-8	94-4	29-98	619-3	92-6	28-50	616-4	97-7	29-9	29-6	29-8	30-7
4	27-24	619-1	83-2	28-91	617-2	91-1	30-27	617-3	84-4	28-10	620-1	95-5	30-6	31-3	31-8	33-7
5	27-03	619-3	91-5	27-57	615-2	93-1	29-65	619-8	93-4	28-10	621-2	92-0	40-2	41-0	42-9	44-8
6	30-59	636-0	72-6	27-97	612-6	80-4	29-92	589-2	95-3	27-77	613-7	91-1	47-8	48-0	48-9	47-9
8	25-88	604-8	93-7	30-86	594-6	102-5	31-47	609-9	112-9	26-82	609-0	125-0	47-3	47-1	46-8	46-6
9	29-38	608-5	100-5	30-86	610-5	99-5	33-89	613-1	105-2	26-49	601-4	117-6	43-9	44-2	45-8	46-8
10	27-57	607-3	96-9	29-85	608-6	100-2	31-20	614-7	108-0	29-18	615-8	103-0	50-8	51-1	51-7	51-7
11	27-90	613-0	99-8	29-71	607-8	101-2	29-78	591-6	113-7	29-18	608-1	115-1	47-5	47-0	47-3	48-1
12	27-70	613-2	98-3	29-45	611-1	100-8	30-32	614-6	100-3	30-92	610-5	105-9	45-4	45-0	45-2	45-8
13	28-97	613-0	92-3	30-99	606-6	95-9	32-08	613-9	104-2	21-78	617-7	125-9	42-5	41-4	41-2	42-0
15	27-23	614-7	100-5	29-04	607-7	96-8	30-92	614-5	96-8	27-83	616-8	104-9	39-9	39-9	40-2	41-2
16	27-90	620-8	92-9	30-72	606-7	95-4	32-41	619-3	96-6	31-20	612-2	110-8	41-0	41-5	42-9	44-1
17	27-30	617-1	96-6	28-50	608-2	96-4	31-47	618-2	93-0	29-11	619-2	98-6	45-8	45-8	45-6	46-7
18	27-83	621-1	95-9	32-48	604-9	96-2	35-10	617-6	98-7	31-20	612-8	108-2	44-3	43-5	43-3	43-9
19	36-05	609-3	84-8	33-56	610-3	97-1	36-65	608-2	107-8	27-24	600-4	123-9	43-5	43-5	43-9	44-6
20	28-78	616-0	91-6	30-92	619-4	94-3	30-12	611-6	94-0	29-65	615-4	94-1	45-6	46-0	46-4	46-9
22	26-75	624-0	80-9	34-23	596-6	92-8	33-29	619-2	97-9	37-86	611-4	143-9	41-7	40-6	39-5	38-3
23	29-11	606-8	82-5	31-74	607-2	92-3	32-62	610-3	107-9	30-86	615-1	112-3	33-5	33-5	34-3	35-7
24	29-85	624-2	80-7	31-67	603-4	85-9	30-25	612-2	93-7	35-78	613-7	108-6	33-6	33-1	32-9	33-0
25	29-18	614-5	89-2	31-88	603-6	101-8	30-45	611-4	109-6	24-13	610-2	119-9	33-1	33-1	33-4	34-5
26	28-50	611-9	96-8	33-15	607-6	97-3	30-39	595-9	105-0	25-21	600-0	131-9	36-7	36-9	37-4	38-0
27	26-75	616-9	92-3	30-18	607-6	100-3	35-04	613-9	103-4	33-42	610-3	124-2	36-5	36-2	36-2	36-6
29	27-17	593-4	105-8	24-74	603-9	106-6	25-07	605-4	119-3	28-17	610-4	152-2	37-5	36-6	37-0	38-6
30	27-44	596-3	71-5	27-77	616-5	112-8	28-97	612-3	104-5	27-63	611-8	106-5	37-8	38-3	40-0	41-7
31	26-83	614-7	99-8	28-50	612-0	100-8	28-30	609-0	98-7	27-17	616-5	100-1	42-3	42-6	43-5	44-3

26 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1852.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Jan.	1	25-89	614-3	102-2	26-29	614-3	101-1	.....	.....	.....	28-45	598-1	98-4	43-0	43-8	.....	42-9
	2	26-35	614-5	99-1	28-58	610-6	101-7	30-12	612-6	103-4	27-50	615-3	101-6	41-2	41-2	41-5	42-1
	3	26-29	614-8	92-9	27-43	609-8	101-4	30-67	618-2	99-9	30-86	620-9	97-4	37-3	36-9	37-1	37-6
	5	27-03	611-8	105-3	33-56	589-0	114-9	30-53	613-6	121-3	24-21	615-5	125-9	34-8	35-0	36-0	37-2
	6	26-71	613-1	89-0	27-31	608-8	96-0	29-18	609-4	110-7	27-78	618-5	104-8	42-9	44-4	45-0	45-3
	7	25-49	614-5	96-4	27-38	605-3	94-9	31-21	612-6	102-2	28-78	612-5	104-7	44-9	44-0	43-4	43-3
	8	26-08	612-8	94-8	26-96	607-8	96-0	31-06	615-0	98-9	28-51	620-8	99-2	40-2	39-7	40-1	41-0
	9	25-96	615-5	94-4	25-89	608-9	89-3	31-61	613-7	97-1	26-75	610-4	119-7	40-8	39-2	38-3	37-7
	10	26-75	613-5	94-2	28-17	611-8	88-8	30-27	617-0	94-7	28-98	.....	.....	33-6	33-0	33-4	.....
	12	27-23	614-4	89-7	26-03	608-5	93-1	31-34	609-8	93-3	28-65	619-8	96-0	36-5	37-7	39-1	40-3
	13	25-42	619-8	95-0	30-00	598-4	94-4	31-81	610-1	97-3	28-98	617-0	99-0	37-0	35-9	35-5	35-7
	14	26-35	615-9	89-7	26-71	608-1	93-1	29-33	605-9	89-6	31-88	617-2	96-0	32-2	31-8	31-9	33-6
	15	26-08	620-5	95-9	26-71	613-3	89-8	29-45	611-6	87-7	27-90	620-6	95-8	38-6	39-5	40-1	40-8
	16	25-49	623-8	86-7	25-62	610-7	89-2	30-74	611-3	91-4	28-45	620-9	93-2	41-1	40-9	41-3	42-2
	17	26-35	625-3	82-1	26-56	616-6	92-7	31-94	619-7	82-0	28-51	622-3	89-4	40-5	40-3	41-0	42-4
	19	25-96	619-0	85-6	25-76	612-4	101-5	31-81	615-7	99-9	29-12	623-1	95-6	41-5	41-8	41-9	41-9
	20	52-06	586-6	-1-6	29-60	589-8	96-6	36-05	627-7	157-7	34-57	607-0	153-7	42-7	43-3	44-5	45-7
	21	27-43	597-7	84-6	28-85	585-8	106-0	35-58	596-0	119-5	29-65	606-3	127-6	42-0	41-5	41-1	40-9
	22	25-62	611-5	91-1	27-11	603-2	91-2	32-89	615-1	87-8	16-46	648-6	263-7	41-8	41-0	41-1	40-7
	23	26-83	605-6	92-6	26-56	599-7	104-6	35-51	592-5	129-8	35-44	623-8	189-2	39-8	39-6	40-3	41-1
	24	27-11	604-6	101-3	27-31	595-8	106-4	31-06	602-6	106-9	28-05	606-4	111-8	40-1	40-3	41-4	43-2
	26	26-49	605-8	95-6	28-72	599-8	76-0	31-48	609-9	95-5	22-31	620-7	123-8	38-5	37-9	38-5	40-0
	27	27-70	612-5	69-7	30-86	579-2	86-7	34-63	614-6	91-4	27-58	615-0	102-1	42-3	42-5	42-9	43-3
	28	25-42	608-0	92-0	27-78	600-2	84-3	31-54	613-7	96-8	27-58	617-2	92-3	39-7	38-8	38-9	40-5
	29	25-62	619-1	88-5	27-23	611-0	94-5	29-33	617-5	80-4	27-70	620-0	94-5	36-8	36-8	37-9	40-0
	30	25-89	616-7	88-4	28-85	597-8	84-7	37-32	616-8	85-1	.....	.....	.....	43-0	42-3	42-0	.....
	31	24-01	613-0	75-1	29-52	609-4	83-5	36-25	614-8	100-9	19-56	623-8	126-8	38-6	37-9	38-8	38-4
Feb.	2	27-23	614-7	77-9	31-34	605-8	91-8	31-67	611-9	99-1	30-59	615-8	104-8	43-0	43-8	45-4	46-7
	3	26-44	613-9	88-2	25-76	606-0	93-3	29-92	613-3	94-1	24-07	611-2	109-8	44-0	43-0	43-0	43-4
	4	20-76	616-8	87-4	25-62	608-2	89-0	32-28	612-1	95-7	30-53	616-5	101-1	39-2	40-2	41-7	44-3
	5	25-68	612-0	88-9	26-08	607-3	87-7	34-03	615-8	88-9	30-07	615-6	99-0	43-9	43-3	43-4	43-4
	6	25-35	617-7	83-9	30-00	612-6	82-9	33-83	623-9	95-3	28-78	636-3	125-2	42-0	41-6	42-0	43-3
	7	25-76	614-8	85-1	28-25	601-8	91-4	36-38	624-8	101-5	33-15	616-6	109-7	40-0	39-8	40-6	42-0
	9	27-23	615-8	82-1	26-49	605-7	92-4	33-96	609-9	95-3	28-72	619-9	94-7	43-0	42-0	41-6	41-4
	10	25-01	615-7	85-1	26-75	606-1	87-9	32-82	611-2	94-7	29-39	620-0	98-5	39-0	38-4	39-4	40-1
	11	24-62	617-5	87-5	25-22	603-5	107-5	31-54	604-9	92-4	28-79	619-7	93-4	35-3	36-2	34-7	36-3
	12	24-89	628-4	79-9	25-49	613-7	85-3	29-60	608-7	81-8	29-65	626-0	84-7	39-0	39-6	40-3	41-2
	13	24-48	632-8	79-1	25-82	615-1	80-1	33-83	614-1	76-4	31-00	624-3	89-9	39-8	39-0	38-9	39-4
	14	24-89	619-9	85-4	27-03	615-1	84-5	32-95	617-3	83-4	29-12	620-8	85-7	37-6	36-9	37-5	38-4
	16	35-98	642-3	-13-4	27-84	591-6	132-0	29-60	633-2	157-9	24-54	635-0	190-5	41-5	40-9	41-1	41-6
	17	28-72	585-2	114-0	26-03	579-1	140-7	30-86	607-5	153-8	.....	.....	.....	41-2	41-2	42-9	.....
	18	7-04	*	.....	24-01	604-1	114-6	48-03	693-2	206-2	52-53	*	357-1	.....	40-8	40-8	41-8
	19	32-41	562-5	88-4	25-42	580-4	130-7	39-21	679-1	152-1	29-39	686-6	223-7	36-1	35-0	35-3	35-8
	20	28-78	454-8	-45-9	34-50	577-0	163-6	28-85	679-5	201-2	19-09	637-3	188-2	31-1	31-3	31-7	32-9
	21	27-31	599-3	99-7	27-16	580-9	117-7	41-50	622-8	133-3	31-81	667-2	219-4	32-6	33-1	35-6	38-9
	23	31-74	604-1	100-9	26-08	579-2	113-2	33-29	596-3	118-1	32-08	603-8	145-3	41-5	41-2	42-0	45-1
	24	24-54	602-5	106-8	25-96	587-3	101-3	33-76	605-4	108-6	29-85	603-0	116-4	39-7	37-9	38-2	40-9
	25	25-01	608-1	105-0	25-68	595-9	104-3	31-00	596-2	102-7	28-72	610-9	57-0	34-8	33-2	23-3	34-7
	26	29-65	617-9	89-7	33-83	592-3	99-3	33-83	605-5	99-8	31-26	612-0	114-1	34-9	35-2	36-9	38-1
	27	25-15	607-6	106-3	27-43	600-3	107-0	31-06	612-2	102-0	35-78	614-1	147-2	37-4	37-4	39-0	41-2
	28	28-05	606-5	99-3	33-15	606-9	102-6	31-14	603-7	107-9	30-33	607-9	135-2	41-3	41-2	41-3	41-9

* Out of field.

Göttingen Mean Time.	Civil Day.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.					
Mar.	1	26-16	604-1	96-3	31-74	602-9	54-7	35-24	614-7	117-3	29-25	624-4	110-6	37-3	37-1	38-5	39-9
	2	25-62	606-2	97-7	30-80	614-7	100-6	31-81	602-8	111-4	27-43	610-7	112-1	35-2	35-7	36-1	38-4
	3	24-69	604-8	94-8	27-31	605-0	93-8	31-14	607-7	97-3	27-70	615-1	113-1	35-2	35-3	37-3	40-4
	4	30-33	607-5	91-9	27-50	601-1	101-7	33-15	614-1	105-7	29-92	617-2	104-8	34-0	33-1	35-3	39-1
	5	23-94	606-3	92-4	28-58	599-0	106-4	34-43	623-1	100-4	33-96	625-5	112-5	38-6	39-7	41-7	42-8
	6	22-31	608-2	87-6	28-58	592-5	90-8	36-58	615-4	100-6	33-89	637-9	150-9	43-0	42-6	44-1	45-4
	8	32-21	602-9	111-5	34-63	588-8	107-6	36-05	619-7	127-4	27-70	611-2	129-6	40-0	39-6	40-9	44-0
	9	24-01	607-7	86-9	24-48	587-5	94-5	35-98	607-6	90-2	34-57	607-8	119-0	42-0	41-3	42-4	46-0
	10	21-52	605-2	96-6	28-85	592-1	101-2	34-77	602-1	115-4	31-48	617-3	118-7	41-5	40-1	40-4	40-8
	11	21-99	617-1	101-5	34-90	597-5	88-7	35-58	605-3	94-8	30-12	615-1	100-0	39-5	39-4	40-1	41-1
	12	23-94	622-0	85-7	28-58	606-5	86-0	39-54	592-8	96-4	29-45	614-2	145-7	40-2	40-5	42-7	45-5
	13	27-16	600-3	91-7	38-60	566-3	103-6	35-51	607-0	99-0	25-42	624-2	128-8	40-6	39-4	39-2	39-4
	15	24-75	621-4	86-0	26-49	599-0	102-3	33-76	606-3	104-5	29-39	623-6	100-7	40-4	40-4	42-0	43-8
	16	21-78	611-1	95-4	26-44	604-4	94-7	36-79	615-5	91-4	29-33	627-0	109-5	43-4	43-0	43-4	44-4
	17	26-35	610-4	82-7	19-70	590-6	100-8	33-02	602-5	115-3	21-78	628-9	144-9	42-6	42-2	42-2	42-9
	18	29-72	611-2	65-2	30-00	597-0	86-2	34-63	609-4	101-7	26-75	618-1	105-7	41-7	41-4	42-6	44-5
	19	25-68	613-4	95-3	27-58	594-1	95-3	32-21	618-6	108-1	20-43	630-2	118-6	38-9	38-2	38-5	40-0
	20	24-27	616-1	83-6	27-03	597-2	100-2	37-39	613-4	95-5	33-15	633-9	125-3	38-9	39-5	42-4	45-6
	22	22-31	601-3	87-7	25-68	597-2	81-6	34-43	598-7	97-8	23-86	618-3	108-9	47-1	46-7	46-9	48-6
	23	22-11	613-5	92-4	27-31	592-2	82-0	35-51	601-0	84-6	27-98	617-2	96-3	50-2	50-7	53-4	57-2
	24	21-72	610-3	97-0	24-21	592-2	95-7	32-82	603-9	89-2	27-70	615-2	96-8	53-0	51-6	49-9	48-8
	25	21-84	612-5	92-4	25-15	600-1	89-8	33-49	610-7	87-7	29-12	622-2	91-2	40-9	40-6	40-9	41-1
	26	27-31	619-3	86-6	27-11	607-4	81-9	.....	.....	.....	33-83	653-4	74-2	38-1	38-3	.....	40-6
	27	30-86	597-9	47-1	27-16	589-0	117-2	32-21	613-4	120-8	31-67	618-6	124-2	37-9	38-3	39-6	40-8
	29	23-40	607-0	68-5	29-52	601-8	79-0	33-89	612-6	90-6	28-85	623-4	95-0	37-9	38-1	40-0	42-6
	30	21-52	603-3	69-4	25-62	604-0	89-0	33-29	603-8	91-7	29-52	631-2	120-8	41-7	42-3	42-5	42-8
	31	21-32	610-8	91-4	29-65	591-5	82-9	36-52	600-0	90-3	29-39	617-1	89-0	41-1	41-2	42-3	44-0
Apr.	1	22-11	603-4	73-8	28-85	591-8	100-6	33-42	612-2	133-7	31-26	625-4	96-5	40-7	40-8	43-0	45-8
	2	28-11	600-4	89-6	26-29	582-0	103-6	34-50	605-1	93-6	32-55	646-8	132-6	40-9	40-1	42-6	45-7
	3	20-96	602-4	74-4	29-52	585-6	82-7	38-87	620-2	90-2	28-11	621-3	116-6	42-6	42-1	44-6	48-0
	5	18-62	605-1	74-2	30-86	584-8	77-0	39-27	643-2	100-6	33-09	627-7	152-7	40-6	40-5	43-8	46-3
	6	22-19	603-5	83-5	29-60	585-5	87-8	35-84	616-2	86-0	29-60	622-5	101-1	40-3	39-8	42-8	46-8
	7	21-17	607-2	91-1	27-16	586-6	81-5	35-84	607-1	79-5	29-92	619-4	87-8	43-9	43-9	46-1	48-8
	8	27-78	615-4	89-7	28-31	591-8	90-0	36-25	615-1	62-5	30-39	619-8	88-8	44-1	43-8	44-2	50-0
	9	25-29	618-0	78-0	26-83	592-6	71-6	39-14	620-3	85-5	32-21	607-0	138-6	47-5	47-6	49-1	51-5
	10	24-89	625-8	66-8	28-51	591-4	77-2	32-01	609-8	88-9	26-71	632-4	97-6	47-4	47-2	49-2	53-2
	12	21-72	605-4	97-9	27-58	595-0	91-6	30-59	612-1	132-0	26-83	621-4	86-9	49-3	49-0	52-2	56-7
	13	29-05	604-7	88-7	29-18	583-2	88-3	36-92	606-8	88-8	30-19	626-1	117-3	50-7	50-2	53-2	58-1
	14	22-59	609-9	86-5	28-55	599-2	79-7	35-10	604-9	85-0	29-18	630-8	94-4	54-0	51-0	54-1	59-3
	15	32-82	617-7	82-8	28-45	595-8	85-5	35-84	615-7	89-8	29-25	627-0	99-0	52-6	51-8	53-8	56-8
	16	25-29	607-6	77-6	28-45	594-4	77-3	36-85	622-1	89-2	30-47	644-8	118-9	48-9	48-8	49-7	52-3
	17	30-53	605-4	88-5	25-89	601-3	86-2	32-95	622-4	80-4	27-84	634-9	94-4	47-0	47-0	50-8	54-3
	19	33-70	599-0	71-7	30-39	600-5	75-7	31-54	613-0	90-6	28-45	624-9	103-3	44-0	43-6	46-1	49-7
	20	23-86	597-9	75-4	27-38	605-0	78-8	46-88	621-4	85-6	39-27	646-5	209-4	45-6	46-1	48-9	52-0
	21	22-66	*	-79-3	33-49	593-1	76-9	37-86	688-5	193-0	32-21	700-3	220-0	49-6	50-3	53-2	56-0
	22	22-19	593-2	95-1	27-38	584-1	91-5	35-31	612-9	103-5	31-14	626-5	108-0	49-4	49-6	51-9	53-9
	23	28-78	573-4	40-0	31-34	570-8	98-3	32-95	602-4	104-1	28-25	651-1	117-7	48-7	49-4	50-6	52-4
	24	28-58	589-7	63-9	24-42	586-8	89-9	32-89	607-8	100-9	26-35	636-6	120-7	47-0	47-1	48-2	49-6
	26	22-45	602-6	44-2	27-03	599-3	87-7	35-51	612-6	81-4	24-07	638-2	127-7	44-2	44-5	45-5	47-5
	27	21-32	602-0	81-1	28-11	596-2	83-4	33-29	611-6	83-0	28-65	624-3	109-8	46-7	46-5	48-0	50-1
	28	19-82	605-2	85-5	27-98	605-8	77-7	34-70	619-7	69-4	27-03	625-6	95-9	45-9	46-2	47-0	48-2
	29	.....	.....	.....	25-29	600-3	78-3	33-15	618-1	70-5	28-45	626-5	79-3	.....	51-0	53-7	55-6
	30	22-25	611-3	80-9	27-43	648-8	79-8	34-16	619-9	76-3	30-47	641-2	85-1	53-6	52-6	51-7	51-0

* Out of field.

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
May 1	19-50	611.8	64.6	28-58	591.8	71.3	35-24	609.2	80.3	35-24	647.9	94.1	45.7	46.4	48.1	50.0
3	25-01	597.5	87.9	26-64	593.4	81.4	20-96	617.3	80.6	29-80	635.2	100.0	46.6	46.8	47.9	49.4
4	19-97	614.8	81.5	27-43	592.8	76.0	34-23	619.7	76.6	30-47	630.1	88.4	45.3	46.1	48.6	51.6
5	21-38	613.7	83.7	24-48	602.1	76.9	35-84	617.8	73.0	29-45	621.7	85.0	49.2	49.9	51.1	52.3
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	25-82	604.5	75.7	25-15	611.4	78.5	31-94	616.2	85.0	30-47	642.0	89.2	52.9	52.9	53.9	55.0
8	24-07	612.9	74.0	29-18	603.2	80.1	.....	.....	.....	30-19	611.8	135.5	53.7	54.8	.....	57.7
10	22-98	619.9	77.5	24-95	600.5	75.4	.....	.....	.....	27-43	644.6	100.6	53.7	53.7	.....	56.5
11	22-19	617.1	71.5	24-81	601.8	78.8	30-33	615.4	84.5	28-11	623.1	76.8	51.9	51.6	52.2	53.0
12	21-58	612.6	71.0	23-66	607.4	69.3	29-39	611.2	69.1	29-33	645.6	89.2	49.4	49.6	51.1	53.8
13	23-13	612.2	71.4	26-44	617.0	62.6	30-80	621.3	67.4	29-45	628.9	75.1	51.8	53.0	54.7	55.3
14	21-38	606.7	60.5	28-31	607.6	63.0	29-60	621.0	60.0	26-75	626.2	85.1	53.0	52.6	52.6	53.9
15	29-39	611.2	69.1	23-54	616.1	81.0	27-70	612.8	78.6	27-11	629.7	92.5	51.1	49.7	50.5	54.2
17	19-56	618.2	86.5	25-15	604.0	79.7	35-58	614.6	74.6	27-78	626.6	83.3	53.6	54.2	56.2	58.7
18	29-25	612.3	72.0	.....	.....	.....	32-82	613.2	74.9	36-65	639.1	94.9	55.4	.....	57.6	57.9
19	20-29	609.5	80.9	24-95	618.0	68.6	32-21	632.6	63.9	35-17	639.6	85.5	52.0	52.0	52.4	51.9
20	22-19	607.1	25.9	27-84	593.7	65.2	35-64	590.4	147.6	34-70	649.4	128.4	50.0	50.6	52.8	55.2
21	33-42	591.3	59.3	27-78	587.7	81.1	28-78	612.7	103.4	26-75	637.4	103.3	51.9	51.9	52.2	52.2
22	22-86	612.0	46.9	26-29	592.4	74.4	31-48	616.4	82.5	27-43	635.3	99.2	48.7	49.1	50.6	51.5
24	26-29	603.5	82.6	28-51	599.9	67.5	27-50	624.2	85.2	26-03	644.1	84.5	50.8	51.1	53.8	56.2
25	34-50	611.1	62.2	26-16	602.1	67.6	29-85	611.6	67.7	27-03	643.1	88.0	53.1	53.7	55.6	58.5
26	21-58	612.8	80.3	26-83	601.1	70.7	30-67	619.5	66.8	27-16	643.5	87.5	52.3	51.6	52.0	52.3
27	28-51	578.1	72.2	31-00	571.8	72.7	33-49	623.2	81.3	35-98	666.0	118.0	50.2	50.3	51.1	52.1
28	22-78	606.3	81.4	28-92	576.4	86.6	37-73	609.5	133.1	30-53	618.2	108.8	50.3	50.6	51.0	53.8
29	19-30	597.4	83.5	25-89	600.9	74.1	29-65	615.6	73.2	26-29	626.2	89.7	49.8	50.0	50.8	51.4
June 1	19-56	612.7	80.7	28-25	607.0	71.2	33-42	614.2	91.8	28-17	634.7	107.7	48.6	49.1	51.1	53.0
2	22-78	616.3	93.5	27-31	605.7	97.7	33-09	608.8	97.7	26-35	627.3	105.2	48.5	49.2	51.1	52.9
3	19-97	614.7	104.7	26-29	606.6	92.3	34-37	616.6	97.6	29-72	629.6	100.6	49.8	50.4	51.9	52.6
4	18-74	619.5	98.0	22-45	604.2	88.1	35-17	617.4	82.6	30-74	630.3	95.6	50.9	51.4	53.0	54.2
5	20-64	614.7	100.7	26-03	611.5	94.9	33-56	616.5	95.0	34-90	643.2	113.5	50.6	52.0	55.1	57.7
6	19-36	617.1	96.7	23-46	607.7	85.5	31-54	632.5	84.7	29-33	636.7	109.8	54.3	54.3	57.3	60.0
7	19-90	612.0	87.0	27-03	605.8	82.6	32-62	629.0	77.5	28-92	627.7	95.4	54.9	55.2	56.6	58.0
8	20-70	622.7	86.0	24-75	618.8	86.0	27-03	622.9	84.8	26-49	627.0	110.8	55.6	55.7	55.8	56.3
9	22-31	612.6	87.2	27-98	604.5	83.4	29-72	618.7	75.7	26-56	632.4	83.6	54.1	54.2	54.2	54.6
10	19-90	617.9	94.8	26-22	611.1	77.1	30-53	627.6	70.1	27-90	629.5	82.4	53.4	52.6	53.5	53.8
11	21-11	622.1	76.1	28-37	608.2	61.2	35-10	625.5	84.3	30-00	662.1	116.7	49.7	49.6	51.1	52.5
12	23-34	593.5	21.7	28-65	586.5	89.8	32-75	646.6	89.7	27-50	635.5	145.4	51.6	52.2	54.2	54.3
14	16-93	608.9	87.6	23-86	597.7	85.3	29-60	612.5	82.1	26-64	627.3	92.8	54.8	54.5	55.3	56.3
15	17-01	602.0	91.2	25-62	608.4	81.6	33-29	622.6	79.2	28-45	635.3	86.4	53.5	55.2	57.8	59.5
16	16-34	598.9	39.5	32-95	592.3	69.4	26-71	647.6	137.8	32-48	641.8	144.3	55.6	56.1	56.6	56.6
17	33-96	583.8	71.2	22-45	602.6	81.9	30-80	619.4	108.7	28-65	626.6	118.7	54.3	55.6	57.3	59.1
18	18-15	599.7	96.1	25-42	591.6	95.0	29-25	611.2	88.9	29-25	632.5	98.9	56.0	57.1	58.6	60.2
19	22-45	606.0	74.8	24-01	598.1	80.9	32-21	633.1	86.9	30-67	636.1	128.0	58.0	59.2	60.2	61.7
21	17-60	615.3	98.7	22-45	595.5	89.9	33-70	613.0	74.6	29-12	625.7	94.7	65.8	63.8	65.1	66.9
22	18-62	615.7	92.7	23-74	557.2	86.7	32-15	610.8	83.6	28-72	630.3	86.1	61.4	61.2	61.8	62.2
23	28-05	611.1	59.5	32-68	601.8	85.1	32-75	605.9	97.3	26-75	629.5	110.6	57.3	58.0	59.9	62.0
24	.....	.....	.....	23-54	595.9	80.3	31-88	616.0	78.2	29-33	641.4	92.3	.....	58.2	60.1	61.8
25	16-61	621.8	84.5	24-69	608.6	80.3	30-07	629.0	76.6	28-37	624.7	107.4	60.2	60.2	61.3	62.7
26	28-92	609.2	94.8	23-94	603.1	80.8	29-80	617.8	73.4	27-90	628.1	93.2	60.3	60.3	60.5	61.4
28	17-74	616.5	89.2	23-80	605.5	81.4	31-26	628.0	81.7	28-72	640.4	102.2	59.2	59.4	60.9	62.8
29	22-86	584.3	85.4	27-58	625.4	72.8	30-53	614.2	81.8	27-11	634.9	98.2	58.8	59.5	61.6	62.9
30	17-54	624.7	83.5	28-05	602.2	73.7	34-97	598.2	99.3	29-05	635.8	132.2	59.6	59.1	61.6	63.4

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		*	*	*	*
July	1	22-98	620-1	74-2	25-68	607-5	68-4	29-12	612-5	78-6	26-22	633-3	102-4	59-9	60-2	61-9	62-9
	2	19-36	614-1	85-5	22-92	611-2	81-2	30-47	621-0	75-3	28-31	634-0	90-5	60-9	60-8	61-5	63-6
	3	15-32	610-9	87-7	26-96	593-2	80-5	30-39	627-9	88-0	.....	.....	.....	59-4	60-2	63-2	.....
	5	26-03	604-3	85-5	23-46	596-9	93-0	30-80	609-7	100-8	26-96	628-5	118-4	70-5	71-5	73-7	74-5
	6	18-88	609-9	86-6	27-43	600-1	93-9	30-47	616-2	101-2	27-70	640-0	100-2	71-5	71-6	72-6	73-1
	7	18-15	609-3	102-1	23-74	602-7	105-0	29-33	632-4	107-1	30-94	631-7	131-3	68-3	68-1	69-2	71-0
	8	32-08	556-2	46-4	37-12	577-1	94-1	31-74	617-6	104-9	27-38	622-0	115-2	67-2	68-2	70-3	72-5
	9	17-40	606-8	100-8	23-13	606-6	104-2	30-80	617-6	89-9	30-00	624-7	96-4	68-3	68-9	71-7	73-9
	10	35-84	589-4	8-3	25-08	606-8	73-1	37-06	635-5	120-4	28-78	677-4	191-1	68-6	67-9	68-1	69-4
	12	19-97	589-3	97-6	22-66	604-1	98-1	30-07	617-1	85-4	28-45	646-5	103-3	63-4	64-4	67-3	70-9
	13	20-23	599-6	79-5	25-35	586-6	108-8	30-74	622-4	94-4	29-12	632-4	115-3	65-0	65-1	67-3	70-6
	14	20-49	607-4	92-6	25-01	609-6	99-7	32-68	621-0	99-5	26-71	640-0	124-9	66-4	66-4	69-3	73-1
	15	22-92	611-9	78-5	26-16	605-1	89-9	28-05	622-4	98-7	27-78	625-6	104-9	69-8	68-7	69-3	69-7
	16	16-54	601-6	87-5	27-03	604-8	89-2	31-14	632-3	118-4	28-37	632-7	110-2	66-2	66-7	69-4	72-2
	17	18-94	611-5	94-6	24-54	599-5	90-4	28-72	616-0	95-4	25-15	629-3	113-4	68-4	68-9	70-1	70-4
	19	18-74	609-4	103-0	24-48	601-2	94-1	30-39	611-4	96-3	27-16	631-7	112-6	65-5	65-8	67-6	69-3
	20	17-80	611-8	101-8	24-07	600-1	98-6	31-14	611-1	92-7	25-01	630-1	106-4	65-3	65-9	67-3	68-8
	21	18-01	612-0	96-5	21-38	601-7	88-4	30-74	615-8	85-0	28-11	628-5	91-5	66-0	66-6	68-1	69-0
	22	16-93	616-3	98-6	23-80	605-2	72-0	31-48	615-8	78-4	27-50	637-0	92-9	65-7	66-0	67-1	68-7
	23	14-91	609-0	148-9	24-13	608-7	91-6	33-09	629-3	80-4	28-58	636-3	97-7	62-6	62-9	65-5	68-6
	24	27-31	612-2	100-9	24-01	607-3	90-8	34-84	621-8	86-7	27-98	632-1	92-8	65-2	65-5	67-7	70-4
	26	18-62	606-8	104-0	24-33	607-2	94-0	33-29	641-0	91-5	26-16	631-6	104-6	66-7	66-1	65-6	65-5
	27	20-64	615-9	92-5	24-21	612-4	94-5	28-78	634-8	87-3	24-62	648-8	108-0	62-7	63-0	65-0	66-8
	28	28-51	614-6	42-9	30-00	585-2	85-1	32-35	607-2	96-8	28-17	631-4	120-1	64-2	64-1	66-4	69-9
	29	20-96	608-4	99-6	28-45	617-5	80-4	33-49	616-6	109-8	28-78	627-1	122-0	65-1	64-7	66-3	69-2
	30	22-66	602-3	81-7	19-70	587-9	97-7	31-81	606-3	110-9	23-13	646-8	162-2	67-9	68-9	71-2	73-7
	31	26-75	609-4	87-1	27-16	601-9	83-7	29-80	616-5	102-8	29-33	616-1	130-8	67-3	67-2	68-6	70-8
Aug.	2	20-76	605-4	93-1	24-75	605-0	90-9	31-41	621-4	92-1	26-56	622-4	102-7	63-4	63-4	65-0	66-9
	3	16-40	610-5	93-3	23-74	599-9	81-6	30-07	614-1	85-3	27-16	638-7	95-1	63-7	63-5	63-1	63-0
	4	18-27	608-3	94-4	22-86	608-4	82-6	30-00	624-1	88-6	27-38	632-8	103-4	57-6	58-3	61-2	63-2
	5	29-05	617-6	89-6	24-01	610-0	91-1	30-59	621-7	80-5	29-39	637-1	90-5	58-9	59-1	62-7	64-8
	6	20-90	604-8	88-6	23-74	609-2	92-5	31-41	620-5	76-6	26-71	632-9	94-8	60-3	60-6	63-1	65-3
	7	25-01	615-3	65-2	25-55	598-3	91-4	26-44	616-8	102-9	25-42	634-2	101-1	60-5	61-3	63-3	64-6
	9	18-41	612-3	90-5	24-27	597-9	87-7	30-74	614-5	78-4	26-49	630-1	93-0	59-1	59-8	61-9	63-4
	10	18-41	620-0	88-8	23-60	609-4	81-8	30-59	632-6	75-1	24-62	625-1	91-4	59-1	59-8	62-1	63-8
	11	17-21	601-4	94-7	.....	.....	.....	30-12	623-3	88-1	24-95	631-5	98-6	58-8	.....	61-4	63-5
	12	18-74	597-5	83-2	24-54	605-9	87-6	29-80	626-8	83-5	27-43	640-4	127-7	60-3	60-2	60-3	60-8
	13	18-94	607-4	93-2	26-56	610-3	89-7	31-21	614-4	92-1	22-98	627-0	104-8	56-9	57-5	60-3	62-3
	14	15-19	606-0	81-7	29-72	597-9	84-2	31-94	645-4	87-6	32-62	622-2	107-4	58-9	59-2	61-9	65-1
	16	14-71	610-6	87-6	25-42	606-4	89-9	30-19	622-5	85-0	22-98	624-8	98-6	58-5	58-7	60-3	60-9
	17	18-82	603-7	91-1	25-89	607-4	83-7	31-61	627-2	93-0	24-81	628-2	97-9	61-9	62-6	64-7	66-0
	18	17-74	610-8	89-1	25-22	598-4	79-1	32-08	601-9	78-7	25-22	632-5	95-0	62-9	62-9	64-6	66-6
	19	17-28	618-2	91-0	23-19	600-3	86-9	32-35	613-9	75-0	28-05	636-5	91-1	61-9	62-2	62-7	63-9
	20	16-54	616-5	94-2	21-72	599-2	90-5	30-94	621-0	81-3	25-82	627-7	93-0	60-8	61-4	64-0	67-5
	21	15-52	614-7	94-4	25-55	600-3	80-2	31-67	615-2	80-5	25-01	633-0	91-6	63-5	63-0	64-7	67-8
	23	21-11	610-0	94-4	31-67	613-9	87-4	35-04	627-9	94-8	25-29	608-6	86-5	61-8	62-1	64-6	63-9
	24	34-43	608-8	56-7	28-11	613-9	76-4	35-04	619-9	109-5	31-41	627-3	166-8	61-9	62-2	64-1	66-4
	25	18-88	594-1	92-5	28-98	598-8	82-7	32-62	595-6	108-5	28-17	645-4	130-7	63-4	62-6	62-4	63-2
	26	18-35	604-8	70-9	25-68	607-8	81-8	28-25	605-4	94-3	15-26	652-7	137-3	57-6	57-8	60-9	64-5
	27	21-84	610-0	77-0	29-18	602-0	76-5	33-70	611-1	100-2	26-16	627-0	119-7	60-3	60-7	63-7	67-2
	28	22-72	609-9	79-1	27-43	603-9	86-5	21-99	617-9	107-1	23-34	615-1	110-2	63-9	63-6	66-4	69-1
	30	18-27	614-0	88-8	24-13	602-3	81-3	31-00	620-1	80-4	26-49	625-6	103-3	63-3	62-8	63-8	64-5
	31	20-09	613-4	89-7	24-42	601-1	81-8	30-94	616-5	79-1	23-60	627-6	90-8	59-5	59-4	61-1	63-2

Göttingen Mean Time.	Civil Day.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
		Decln. 24° +	Bifil. Corrected.	Balce. Corrected.	Decln. 24° +	Bifil. Corrected.	Balce. Corrected.	Decln. 24° +	Bifil. Corrected.	Balce. Corrected.	Decln. 24° +	Bifil. Corrected.	Balce. Corrected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	nec. div.		se. div.	nec. div.		se. div.	nec. div.		se. div.	nec. div.		*	*	*	*
Sept.	1	18-94	617-9	102-9	26-08	607-8	80-0	37-59	646-2	73-0	31-06	649-1	98-2	62-2	59-1	61-0	62-8
	2	18-62	615-5	86-1	25-29	604-1	85-9	29-80	622-3	77-8	26-56	631-8	92-1	62-3	63-0	65-5	67-2
	3	19-15	617-2	55-3	24-75	599-4	74-3	31-41	621-6	83-9	25-55	632-1	93-9	61-6	61-5	64-2	67-1
	4	34-03	621-0	31-0	30-94	596-9	64-9	40-01	605-5	99-9	25-55	630-2	123-2	62-8	62-5	63-4	65-9
	6	19-23	610-4	95-1	24-48	601-7	83-6	32-28	615-4	86-4	14-52	640-9	74-7	62-7	63-0	63-5	63-5
	7	18-88	614-0	80-2	25-01	609-5	88-2	28-17	620-1	91-6	21-11	635-8	112-9	60-4	61-0	63-0	64-7
	8	17-01	609-2	89-0	24-81	590-1	84-6	28-98	611-8	91-7	21-25	619-7	127-5	63-4	63-8	65-3	65-9
	9	20-96	604-8	73-5	28-65	595-4	73-7	31-06	634-0	76-1	31-41	650-6	117-6	62-7	62-6	63-7	64-6
	10	28-25	593-3	13-8	29-92	593-1	92-8	26-96	617-3	101-6	21-17	621-6	118-2	61-1	61-0	61-3	61-4
	11	30-39	592-0	74-8	31-00	584-8	78-9	27-70	623-5	91-5	19-76	619-4	124-0	56-4	56-5	57-6	61-1
	13	21-05	606-5	76-5	24-27	605-1	74-6	29-33	614-1	87-8	27-70	618-6	96-3	55-0	54-6	56-5	57-1
	14	20-73	611-2	91-0	26-44	607-7	82-4	28-72	624-9	81-5	25-89	624-7	88-1	50-4	50-0	50-9	52-6
	15	21-38	616-4	86-0	25-35	603-8	86-0	27-84	616-7	87-0	22-78	623-3	87-1	48-4	48-0	50-8	53-3
	16	20-70	613-6	88-0	25-22	595-2	80-7	31-88	630-0	77-4	22-92	630-1	94-1	45-8	45-4	47-7	50-7
	17	28-85	627-2	72-2	29-85	605-9	83-6	35-84	628-9	98-4	18-01	661-3	223-5	50-0	50-0	52-0	54-6
	18	19-15	612-0	93-0	22-51	605-1	83-0	27-84	610-3	81-2	24-81	627-4	85-9	48-2	48-1	50-8	55-0
	20	38-60	607-3	53-7	32-35	591-7	89-7	33-09	607-4	122-5	30-00	620-7	160-5	47-7	47-8	48-4	49-6
	21	18-41	612-4	85-3	24-69	591-6	91-6	30-39	627-3	97-2	26-16	633-4	161-2	48-6	48-7	50-2	51-4
	22	30-74	597-7	36-6	29-33	593-2	92-4	29-18	596-1	126-6	20-37	621-6	129-6	46-5	46-7	49-0	52-6
	23	24-33	629-3	53-8	23-19	601-8	90-4	28-65	618-7	109-7	21-78	621-9	122-8	54-2	54-5	56-1	57-6
	24	24-07	615-7	81-3	.....	.....	.....	28-37	614-7	112-9	27-11	618-2	102-2	54-4	.....	56-1	58-7
	25	25-01	611-6	81-9	24-33	604-1	88-2	21-05	608-9	91-0	23-07	620-3	96-5	54-4	53-8	57-1	60-0
	27	20-03	617-0	83-1	23-66	603-8	78-1	26-71	614-5	76-2	24-89	623-2	94-8	49-7	49-7	50-5	52-6
	28	20-84	620-9	83-8	.....	.....	.....	.....	.....	.....	.....	.....	.....	46-6	.....	.....	.....
	29	21-25	623-7	84-3	26-16	614-5	84-8	29-05	627-4	81-1	24-81	629-3	81-5	47-5	47-2	47-5	48-1
	30	23-66	615-6	77-5	34-16	580-4	86-1	26-83	593-5	134-1	27-70	614-4	110-7	46-9	47-0	47-6	47-6
Oct.	1	21-33	612-4	82-8	28-45	604-0	88-9	12-77	612-2	92-2	23-86	632-4	108-4	44-5	44-3	46-2	47-3
	2	21-72	614-9	82-3	24-42	599-3	79-1	35-10	616-7	86-2	28-31	625-4	109-7	43-9	43-7	44-8	46-1
	4	25-08	611-7	77-0	31-88	579-2	98-7	29-25	610-2	83-5	25-08	623-0	93-4	45-8	45-5	47-3	48-8
	5	24-21	627-5	80-0	22-59	612-7	79-4	38-74	614-6	100-1	24-95	625-7	99-5	48-3	48-1	48-4	48-6
	6	21-75	617-3	79-8	22-39	605-8	83-1	28-11	616-0	81-6	24-21	628-0	108-7	46-1	45-8	47-7	49-7
	7	21-64	616-0	83-7	24-81	601-0	83-6	29-52	614-0	88-8	19-62	631-6	123-3	44-5	43-8	44-6	45-2
	8	21-05	613-2	84-3	25-76	610-1	79-8	33-49	628-8	82-1	18-41	638-3	115-3	41-1	40-9	41-8	43-7
	9	20-76	611-2	87-2	23-80	608-5	81-2	28-45	623-8	79-4	22-66	628-7	83-0	40-7	40-9	42-5	44-5
	11	21-17	621-6	83-7	25-42	598-8	72-8	30-47	627-4	77-6	24-81	618-6	98-6	47-2	47-1	48-4	49-8
	12	23-07	618-9	77-6	28-98	601-2	68-1	30-53	617-7	79-6	24-69	626-6	92-5	45-0	44-0	45-9	48-5
	13	21-38	624-0	60-6	23-13	607-2	68-9	26-56	617-1	76-7	25-35	619-0	92-6	47-8	47-7	48-5	49-6
	14	21-17	621-2	129-3	24-48	605-8	77-2	20-76	616-4	82-5	24-27	624-6	86-7	48-4	48-3	49-6	50-5
	15	21-52	621-8	79-8	23-54	610-3	77-6	28-17	620-9	70-1	25-96	626-5	79-6	45-8	45-2	45-6	46-3
	16	21-05	621-3	74-8	26-08	612-3	64-1	27-84	610-6	91-2	27-03	620-3	98-3	46-2	45-3	47-1	47-6
	18	25-76	612-3	76-8	31-41	597-9	75-1	30-67	620-4	89-2	50-72	668-3	148-8	43-1	42-5	45-5	49-0
	19	24-13	621-1	80-0	25-15	606-0	87-7	27-64	618-5	89-7	22-11	625-8	104-5	48-0	48-4	49-8	51-6
	20	25-55	610-9	80-0	31-26	593-5	103-0	34-23	615-0	116-8	28-58	597-4	171-1	50-1	49-6	50-8	52-9
	21	28-05	599-8	82-9	28-63	585-9	95-0	28-51	612-3	97-7	21-44	610-1	125-6	51-0	50-8	51-2	51-9
	22	21-05	606-9	91-9	24-27	602-9	98-1	29-65	612-6	97-5	27-50	618-6	93-5	50-3	50-4	51-5	52-7
	23	19-42	616-4	90-5	23-60	601-7	88-2	27-38	610-5	136-8	23-07	621-2	87-6	53-9	53-4	53-8	53-8
	25	21-11	617-8	80-1	20-90	607-0	78-7	28-37	619-1	79-2	22-92	627-0	78-4	45-6	44-5	45-1	47-5
	26	20-76	621-5	75-6	23-46	611-7	72-6	26-83	624-1	77-4	23-66	638-0	81-5	42-4	41-2	41-0	41-8
	27	19-70	625-4	78-1	21-07	611-3	79-5	27-58	625-0	79-5	27-84	621-2	93-1	44-7	45-0	45-5	56-3
	28	20-76	624-0	79-8	22-31	608-2	83-3	27-03	620-6	80-2	24-13	631-2	79-4	44-6	44-2	43-8	43-7
	29	20-64	630-1	74-5	26-75	612-0	80-0	29-05	621-0	77-3	26-49	632-9	79-9	41-4	41-5	42-7	43-6
	30	25-62	603-8	83-7	26-96	605-9	80-3	27-11	619-8	87-7	24-07	622-4	106-3	44-7	44-4	44-9	45-4

DAILY OBSERVATIONS OF MAGNETOMETERS DURING NOVEMBER AND DECEMBER, 1852. 31

Göttingen Mean Time.	Civil Day.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		sec. div.	mic. div.		sec. div.	mic. div.		sec. div.	mic. div.		sec. div.	mic. div.		*	*	*	*
Nov.	1	26.64	609.0	66.8	27.43	597.7	78.1	32.48	611.9	90.8	25.08	623.6	119.5	49.5	49.8	51.2	52.4
	2	23.86	618.5	68.5	24.69	600.2	77.0	31.61	620.7	85.4	24.42	624.8	85.6	52.6	52.5	54.0	55.4
	3	21.84	619.6	75.9	25.82	605.6	79.4	26.35	612.3	78.8	24.42	635.6	81.2	52.0	51.7	52.4	52.9
	4	21.17	612.6	71.9	22.78	608.2	81.7	29.80	617.5	84.5	22.39	623.2	86.4	46.4	46.6	48.0	50.0
	5	24.01	617.9	72.2	28.92	609.6	76.1	31.00	611.6	87.8	24.54	619.7	94.5	47.1	47.2	48.1	49.7
	6	25.29	619.1	70.1	24.27	599.8	80.4	28.37	612.7	81.9	25.68	626.4	87.2	48.4	47.9	48.5	49.0
	8	21.44	622.3	76.4	22.05	605.9	83.3	26.83	615.6	93.2	23.86	623.9	79.2	52.9	52.8	53.1	53.0
	9	21.78	623.2	73.7	23.46	609.5	80.9	27.11	617.2	78.2	23.27	624.8	80.6	48.3	47.7	48.1	47.8
	10	23.40	626.2	63.2	25.01	613.9	68.4	29.52	627.3	74.4	24.81	624.8	82.5	44.0	43.0	43.1	44.3
	11	27.64	636.7	62.8	23.40	617.4	71.8	27.43	622.1	73.7	28.58	638.7	76.4	40.8	40.5	40.8	41.1
	12	29.85	577.4	70.8	25.01	594.8	82.0	31.74	618.9	91.3	28.72	631.5	125.8	40.4	39.9	41.0	41.9
	13	23.60	621.0	71.3	26.83	570.5	110.6	30.12	610.5	112.5	3.55	609.2	167.0	39.5	39.2	39.7	40.1
	15	21.44	613.7	80.7	22.51	613.5	83.3	25.76	618.7	87.2	22.59	627.2	93.2	39.2	39.3	40.0	40.6
	16	22.11	623.7	78.4	23.66	611.9	80.3	25.35	622.0	81.0	24.48	626.0	83.9	42.7	43.5	44.4	45.5
	17	21.99	616.6	82.0	23.54	596.8	91.0	25.42	610.3	97.8	.....	.....	.....	45.2	45.3	47.0	.....
	18	25.75	623.2	75.9	30.07	610.1	84.0	31.48	610.6	103.8	26.03	622.8	116.6	45.0	44.8	44.9	45.3
	19	22.31	622.2	82.2	24.01	613.7	85.5	25.01	623.2	86.2	22.39	622.8	88.6	41.7	41.2	42.1	42.7
	20	22.78	630.5	74.4	21.99	617.7	80.5	24.27	616.3	79.8	22.78	626.1	81.0	43.4	43.3	43.5	43.8
	22	21.11	627.2	73.2	23.13	618.4	80.4	24.54	628.5	81.0	22.66	629.7	77.4	39.7	39.4	40.7	41.4
	23	20.90	628.7	68.9	24.07	621.4	77.0	25.29	631.9	74.7	26.49	627.2	84.6	38.1	37.6	38.7	40.4
	24	20.96	630.9	68.5	22.11	617.7	69.3	25.49	625.8	72.7	24.27	631.7	76.4	36.6	36.0	36.3	36.9
	25	21.32	625.2	66.8	22.31	621.3	69.5	26.03	630.8	65.3	23.40	632.2	69.8	34.1	33.2	33.6	34.1
	26	24.13	623.5	65.8	22.66	623.3	68.2	24.21	625.5	70.4	25.49	644.7	71.9	37.6	39.0	41.4	43.2
	27	22.45	618.7	62.3	22.51	617.8	68.3	28.91	628.4	79.8	24.07	626.6	83.6	41.8	41.2	42.2	43.5
Dec.	29	21.38	628.6	67.7	21.84	618.2	66.7	25.55	625.0	73.9	23.13	631.7	75.8	36.5	36.0	36.1	36.7
	30	21.78	634.4	71.0	22.51	620.9	70.9	26.03	625.9	67.9	24.42	634.4	71.5	32.9	30.9	30.6	31.6
	1	27.31	613.7	25.7	26.44	605.0	58.0	30.12	614.8	99.4	23.34	629.5	85.2	33.4	34.8	36.5	38.7
	2	23.94	626.4	62.7	26.08	611.7	69.2	25.01	610.5	79.7	26.96	619.3	78.2	38.1	38.5	39.3	39.5
	3	21.99	607.9	48.0	29.18	617.6	79.7	30.59	608.1	97.8	22.78	630.0	81.7	38.0	38.1	38.7	39.9
	4	28.65	628.8	65.2	28.72	625.8	66.1	24.69	625.5	62.4	23.40	630.9	72.3	38.5	39.7	42.2	44.6
	6	21.92	636.8	65.7	21.72	620.9	62.5	30.12	656.5	56.5	26.29	647.5	67.7	44.8	44.6	45.3	46.0
	7	29.45	625.3	66.3	23.80	612.7	70.2	26.35	624.4	74.1	22.96	622.0	82.7	43.7	42.9	43.1	44.4
	8	28.92	624.1	69.8	22.78	622.7	65.3	26.83	630.2	71.7	23.60	630.4	70.9	39.8	39.3	40.1	40.2
	9	23.40	626.0	65.4	24.89	618.2	68.3	27.84	622.6	76.9	24.21	629.0	79.9	41.4	40.8	41.8	42.5
	10	24.27	625.6	55.5	23.80	610.2	68.9	30.07	593.0	147.0	23.13	631.2	84.5	43.5	44.3	45.7	46.6
	11	23.94	621.1	63.7	24.95	614.7	69.9	25.22	623.4	89.4	15.38	632.4	103.0	47.6	48.2	49.4	49.7
	13	26.08	629.9	52.1	22.98	615.4	20.7	24.81	622.6	83.4	1.73?	648.4	64.2	44.8	43.4	42.6	42.6
	14	19.76	630.0	49.5	19.03	605.6	80.3	24.01	600.4	93.1	20.29	627.7	100.6	41.2	41.2	41.3	41.6
	15	21.38	629.1	66.8	19.62	614.9	66.8	24.01	620.1	67.2	21.44	630.6	73.7	42.4	42.5	42.6	43.5
	16	20.76	625.5	65.4	20.03	617.4	67.4	23.19	620.3	71.2	21.44	626.5	68.6	42.0	41.6	41.9	41.8
	17	21.17	636.7	64.9	20.96	624.7	64.9	23.80	623.2	62.4	23.19	634.1	67.0	42.8	42.9	43.2	43.2
	18	19.70	626.2	54.5	24.69	620.3	58.5	.....	.....	.....	20.09	619.4	94.1	39.8	38.9	.....	38.3
	20	20.64	627.3	67.0	21.32	626.8	64.9	24.48	628.7	67.5	22.11	629.5	67.3	49.0	49.4	50.0	49.7
	21	21.17	626.6	66.8	21.78	623.7	61.9	24.07	625.9	67.4	22.31	631.6	66.3	43.1	42.0	41.9	42.3
	22	20.64	629.9	62.2	22.39	626.2	58.2	24.07	645.9	60.6	22.51	630.6	62.9	38.1	37.4	37.0	36.9
	23	21.56	628.8	58.8	27.90	627.3	63.6	24.62	626.1	65.4	25.35	624.4	75.4	36.6	36.7	37.6	38.9
	24	19.62	620.4	60.6	25.01	623.8	62.7	24.42	617.2	73.3	21.78	631.0	79.9	39.4	40.1	41.4	42.6
	25	20.64	625.4	66.2	21.92	619.6	66.1	23.94	629.5	72.0	15.73	617.9	86.5	42.6	42.3	42.7	43.5
	27	20.64	627.2	63.1	20.84	619.7	63.0	23.74	624.5	62.8	21.58	629.5	66.4	44.1	44.5	44.7	45.0
	28	22.45	631.5	56.5	21.17	615.8	64.3	26.08	618.8	71.1	21.72	624.2	85.9	41.6	41.1	41.3	42.6
	29	28.85	617.9	40.6	21.52	619.1	44.6	26.83	612.9	77.5	19.70	629.7	145.3	39.8	39.4	39.4	40.0
	30	21.52	622.3	68.1	22.05	613.4	72.4	22.86	610.1	75.0	20.43	621.7	75.2	44.3	44.6	45.1	45.4
	31	20.09	624.0	91.6	21.32	615.4	73.0	23.34	620.0	71.4	21.11	625.8	73.4	43.1	43.5	44.5	45.2

32 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1853.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mie. div.		se. div.	mie. div.		se. div.	mie. div.		se. div.	mie. div.					
Jan.	1	19-03	630-8	63-4	20-50	623-1	63-3	24-62	620-0	65-3	21-58	626-4	74-4	46-3	46-3	45-6	46-3
	3	21-78	626-3	51-6	22-78	619-8	65-1	22-98	627-1	60-6	21-17	627-3	72-3	42-3	41-9	42-5	43-1
	4	19-90	629-7	68-6	22-78	630-2	58-4	23-19	643-0	68-5	20-90	633-2	67-6	42-5	43-5	45-3	46-5
	5	19-76	626-0	65-1	21-78	620-8	67-7	23-40	621-6	68-7	21-44	629-7	65-3	44-2	43-1	43-2	43-6
	6	21-32	632-7	55-3	20-23	619-1	65-5	29-18	627-0	68-2	22-72	629-6	90-8	39-7	38-6	38-5	38-9
	7	25-15	635-0	53-4	25-55	626-4	58-3	23-86	626-4	63-9	20-64	631-8	74-4	37-2	37-1	37-6	38-9
	8	23-13	629-7	56-1	25-22	615-8	68-1	22-19	625-9	104-5	28-17	645-1	105-6	38-1	38-7	40-0	41-2
	10	22-78	627-8	48-1	24-01	620-0	67-8	21-17	618-9	78-5	30-39	618-0	85-7	40-9	41-0	41-0	41-5
	11	20-49	627-9	61-4	18-35	619-1	61-5	21-64	624-8	68-5	20-29	630-2	71-0	42-9	42-6	42-6	42-9
	12	20-37	629-6	62-1	20-09	623-2	60-9	22-92	631-2	61-2	22-51	633-6	62-3	39-2	38-9	39-1	39-3
	13	21-44	634-9	57-8	20-96	614-3	61-1	25-76	620-2	77-5	25-35	631-3	107-4	36-8	36-5	36-6	36-9
	14	21-38	629-2	64-0	20-57	622-0	60-1	23-66	631-9	62-3	23-46	635-5	78-2	35-4	35-0	35-2	36-3
	15	21-25	637-0	53-0	20-70	625-0	55-1	24-62	621-3	61-8	22-25	634-2	68-3	33-5	33-7	34-1	34-8
	17	20-00	634-7	56-6	21-17	626-2	57-2	26-16	629-3	55-5	24-89	635-2	78-7	35-0	35-0	35-3	36-1
	18	20-64	630-1	73-0	21-64	634-1	54-1	25-35	634-2	54-9	28-85	635-0	72-1	32-7	31-6	31-9	33-3
	19	28-72	623-1	38-1	27-11	633-9	61-2	23-80	614-1	67-4	26-44	615-0	87-4	35-6	36-1	37-0	38-8
	20	19-56	627-5	63-4	21-99	623-4	63-2	24-21	624-6	61-6	21-58	625-3	63-0	45-6	45-7	45-8	46-2
	21	19-90	630-9	55-3	20-64	611-7	61-4	27-64	623-1	66-0	23-27	625-8	69-5	41-4	41-3	42-1	42-6
	22	20-37	629-3	57-7	26-83	624-1	59-9	22-98	625-8	61-8	21-99	631-9	65-4	38-2	37-4	37-9	38-8
	24	20-17	634-0	54-1	21-25	626-5	54-6	24-54	631-1	55-5	22-72	630-9	54-0	35-4	35-2	35-8	35-9
	25	20-29	636-6	40-3	20-09	621-1	54-6	27-23	625-8	59-4	24-69	630-4	68-5	35-9	35-7	36-3	37-1
	26	19-62	635-6	51-1	19-15	626-0	52-2	24-27	628-2	59-1	21-92	628-2	65-7	36-6	36-2	36-5	37-9
	27	19-56	638-6	52-1	19-09	621-5	54-7	24-01	627-0	55-9	22-45	630-7	62-3	37-0	37-0	37-9	38-4
	28	20-37	633-5	48-0	19-82	611-7	59-9	31-00	627-5	61-4	28-72	623-9	81-2	36-9	36-6	36-5	36-8
	29	19-97	630-0	57-2	21-32	622-7	55-6	26-03	631-8	60-7	22-05	634-6	63-0	33-0	32-3	32-5	34-2
Feb.	31	19-62	624-9	58-9	19-76	620-6	52-3	24-54	621-2	65-8	22-45	631-6	60-4	36-9	36-7	38-4	41-5
	1	21-11	633-6	54-2	21-52	627-5	46-9	24-54	607-4	55-3	24-27	634-8	66-1	40-3	39-6	40-4	42-2
	2	20-57	623-5	53-3	22-31	618-6	60-2	25-82	615-6	71-1	19-62	632-1	128-7	40-0	39-3	39-2	40-1
	3	19-76	629-4	44-0	21-78	626-8	52-6	24-13	620-9	61-5	21-58	626-4	65-8	39-7	38-9	38-9	39-2
	4	23-80	626-4	50-9	23-80	625-8	54-2	24-27	626-2	57-7	27-84	625-6	72-7	36-9	36-6	36-8	37-3
	5	19-62	628-6	56-5	20-70	624-9	56-2	22-25	623-6	59-2	19-97	619-6	67-7	36-6	36-4	37-0	37-4
	7	19-70	633-3	51-4	28-17	633-2	49-0	22-78	628-1	54-0	20-84	631-2	59-3	36-8	36-3	37-1	39-5
	8	20-76	627-1	50-8	22-98	614-3	49-5	25-68	627-0	58-9	21-72	631-2	59-3	35-4	34-8	34-6	34-5
	9	19-70	637-0	50-6	21-17	625-7	48-8	22-78	629-7	47-9	21-78	637-1	53-7	33-7	33-9	34-5	35-1
	10	18-88	638-4	48-1	19-50	628-1	54-6	23-07	633-7	49-8	21-99	638-5	52-4	35-2	35-2	35-7	36-4
	11	19-23	628-8	50-8	19-82	621-9	52-3	24-21	627-7	57-2	21-44	629-3	71-2	32-0	31-3	31-7	32-8
	12	20-03	630-5	55-9	21-78	626-9	52-6	24-01	627-2	55-5	23-80	633-7	61-7	30-3	29-5	29-9	31-4
	14	17-60	640-8	37-4	24-62	620-3	47-1	31-61	624-4	74-8	35-78	632-3	112-2	31-0	31-2	32-4	34-4
	15	20-43	620-7	46-7	24-48	613-4	63-7	25-62	614-9	65-9	21-78	624-3	64-5	31-3	31-2	32-6	34-4
	16	19-70	626-5	58-9	21-64	595-3	62-4	26-16	620-4	65-9	22-92	633-4	64-8	33-2	32-9	33-7	34-6
	17	19-09	640-5	34-0	23-46	617-3	67-1	28-51	630-4	66-0	21-99	624-9	95-0	32-1	32-2	33-2	34-3
	18	19-42	623-6	58-6	22-78	618-5	54-7	22-72	622-0	60-2	21-32	626-5	69-3	30-0	29-7	30-9	33-0
	19	19-09	631-5	58-3	20-43	618-4	61-1	23-40	626-0	55-6	20-49	628-3	58-5	30-6	30-8	32-7	35-5
	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	22	17-95	621-8	57-8	21-72	608-7	66-3	28-85	622-2	64-9	25-96	627-6	94-6	34-4	35-1	36-4	39-3
	23	21-17	626-5	54-9	25-15	610-7	62-2	26-29	616-0	74-6	15-05	636-2	126-3	36-9	36-6	37-4	37-4
	24	18-68	628-8	59-5	19-42	614-1	62-5	24-13	624-8	60-7	21-32	633-2	60-1	32-5	32-6	34-3	36-5
	25	18-15	627-9	52-5	22-51	614-7	50-4	27-38	631-7	54-7	24-54	630-8	70-6	36-0	35-6	36-7	37-9
	26	18-88	633-4	53-6	20-76	625-6	56-7	25-49	633-6	55-1	22-66	635-8	58-3	36-8	36-7	36-8	36-8
	28	21-44	621-6	50-6	25-76	636-5	39-0	23-80	620-8	55-6	22-78	633-2	73-4	30-6	30-1	31-9	33-9

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Mar.	1	19-97	631-5	53-8	22-31	626-5	52-8	25-62	641-8	61-5	20-37	628-8	65-5	34-5	35-1	37-2	39-7
	2	18-68	631-8	48-1	25-42	622-4	45-6	24-27	635-5	49-5	21-44	633-8	59-0	37-6	37-3	37-7	38-6
	3	19-15	630-0	46-6	26-29	621-3	43-2	28-17	628-1	61-7	20-09	630-7	69-1	36-0	35-9	37-0	39-0
	4	19-76	627-5	51-2	25-68	630-6	39-9	29-45	624-2	61-5	20-64	630-4	64-2	34-8	34-1	35-9	39-8
	5	18-47	631-4	47-4	22-45	620-2	47-5	23-54	612-1	57-8	19-36	626-9	59-4	39-4	39-5	40-9	42-7
	7	18-15	627-5	48-9	20-43	625-6	41-0	23-74	627-1	44-8	26-75	649-3	62-0	41-4	40-8	42-8	46-4
	8	20-17	612-7	50-3	27-50	592-6	52-0	28-78	619-6	87-3	26-83	646-4	145-3	41-8	40-9	41-0	43-7
	9	18-74	612-6	39-0	24-48	610-9	51-9	21-52	623-7	91-6	22-39	634-0	121-7	43-0	42-3	42-9	43-3
	10	26-35	610-2	23-1	22-92	611-6	38-5	21-78	634-5	55-2	13-65	642-5	90-5	44-5	45-2	46-7	48-9
	11	20-49	615-0	55-3	22-31	599-9	57-0	29-25	644-6	78-6	21-32	652-8	123-7	43-9	43-2	44-4	46-6
	12	20-49	597-0	46-9	30-59	601-9	61-0	25-82	621-5	73-1	21-38	633-8	107-5	42-1	41-4	41-6	42-6
	14	20-23	622-0	53-4	28-11	613-8	52-3	26-64	623-8	47-8	28-11	630-4	56-0	40-8	40-8	41-0	41-3
	15	16-46	630-8	43-0	18-68	615-7	50-9	29-80	630-7	51-5	24-33	629-0	70-4	39-5	39-1	39-0	39-2
	16	18-41	629-8	59-3	19-42	618-4	48-9	.....	.....	.....	22-92	633-9	62-4	38-2	38-1	.....	38-4
	17	17-88	634-4	53-9	19-23	624-0	47-0	27-43	635-9	46-8	28-11	658-7	61-7	34-7	34-8	.....	36-5
	18	17-74	624-0	53-5	18-62	609-2	48-6	30-80	619-3	71-6	20-84	633-5	78-7	32-7	32-3	33-2	35-4
	19	18-27	624-9	59-2	18-88	614-1	54-6	25-82	622-3	45-8	22-31	633-0	44-3	31-3	31-2	32-7	35-6
	21	15-67	620-4	57-6	17-68	611-2	46-6	27-78	619-7	44-6	21-92	634-4	48-6	35-7	35-9	37-9	39-6
	22	15-67	628-6	55-0	18-62	616-3	43-2	24-75	623-2	46-7	22-19	634-2	46-6	35-2	35-0	36-4	37-9
	23	15-32	628-3	53-3	19-09	616-6	42-2	26-75	628-2	41-8	21-78	630-4	57-3	34-8	34-7	36-7	40-7
	24	14-99	631-7	42-7	20-49	620-3	37-4	28-17	619-7	46-6	24-42	638-1	77-9	33-9	33-5	35-7	38-1
	25	15-38	625-3	40-1	19-82	616-4	41-4	28-05	632-8	41-5	25-08	571-8	70-2	32-3	32-2	34-1	38-0
	26	15-94	619-8	52-0	21-38	615-8	41-0	.....	.....	.....	28-78	631-0	92-5	34-2	34-2	.....	40-9
	28	15-38	628-6	60-5	23-13	595-7	55-0	27-03	624-0	60-8	22-72	619-6	89-5	42-4	42-1	44-6	44-6
	29	16-40	627-0	45-9	18-21	614-0	55-7	25-76	628-5	62-9	23-66	627-4	57-9	42-0	41-4	43-9	47-5
	30	16-14	627-3	53-9	21-58	615-0	53-1	31-48	606-4	61-8	22-72	638-5	59-7	41-4	40-8	42-3	45-5
	31	16-54	627-3	50-5	20-17	616-2	44-5	29-33	615-7	55-9	31-61	637-4	106-1	39-5	38-6	39-6	42-6
April	1	19-56	624-5	59-9	24-33	602-7	45-6	27-70	629-2	44-4	22-51	631-7	66-2	43-0	44-7	45-2	45-2
	2	20-96	623-7	32-6	21-38	611-9	36-6	25-22	622-9	41-3	19-76	634-2	53-5	43-5	44-2	45-4	46-8
	4	19-42	631-7	49-8	23-40	613-7	52-3	27-84	622-1	44-8	24-01	638-0	44-3	46-1	46-3	48-7	50-1
	5	16-26	631-8	48-9	21-38	626-8	34-1	34-37	607-9	32-1	25-15	634-7	57-8	46-8	47-3	49-0	50-8
	6	20-23	619-7	37-6	24-07	608-4	49-7	33-89	644-7	117-3	25-82	639-0	108-4	50-1	50-8	52-5	54-3
	7	20-03	576-6	4-4	28-51	576-6	51-1	28-58	629-3	64-5	24-62	635-5	67-8	48-9	48-7	49-4	50-9
	8	13-04	622-8	50-2	19-97	601-1	46-6	29-72	642-4	68-5	26-03	655-7	111-6	45-6	44-7	45-0	46-0
	9	16-26	612-3	35-4	20-29	606-3	36-4	31-00	636-0	52-5	25-35	637-5	107-2	40-0	39-9	41-8	44-6
	11	20-29	618-2	23-6	21-32	595-8	51-2	29-18	612-6	51-8	26-16	656-7	111-0	49-1	49-6	51-8	54-1
	12	12-22	615-0	18-9	21-05	608-0	32-4	29-65	614-2	44-3	25-08	629-3	79-1	47-1	46-7	47-3	47-6
	13	13-92	624-5	52-7	17-60	611-1	47-7	29-18	624-2	50-6	24-81	649-8	61-7	42-8	42-8	44-1	45-6
	14	12-10	627-6	52-2	14-99	609-7	47-0	24-21	617-5	46-9	22-72	639-7	64-6	43-9	44-4	45-5	46-6
	15	12-77	630-3	65-6	15-67	614-8	44-0	24-21	618-3	30-1	22-11	637-1	44-4	44-9	45-5	46-5	47-4
	16	13-65	636-4	47-6	16-54	620-7	23-7	25-22	624-3	48-5	21-64	640-5	48-3	46-7	47-3	49-1	51-2
	18	12-69	633-1	41-9	19-09	613-2	44-7	28-05	624-5	42-9	21-11	646-4	52-1	49-8	50-6	53-9	57-0
	19	19-62	626-6	47-5	18-01	615-8	56-9	27-31	625-8	42-4	24-89	642-3	43-7	53-4	52-9	52-9	52-9
	20	10-75	626-0	64-4	19-30	615-3	32-1	31-34	622-7	39-2	23-66	641-8	59-8	47-1	46-7	48-1	50-7
	21	12-42	630-9	43-2	19-70	610-7	32-4	30-80	620-6	39-6	25-22	641-9	45-8	46-1	45-9	47-3	49-2
	22	14-65	625-7	49-2	20-64	615-0	37-8	29-25	653-3	22-5	22-59	636-8	58-3	43-4	43-7	45-2	47-3
	23	21-58	635-1	6-4	27-23	606-1	45-7	29-12	622-4	60-2	22-51	638-4	68-2	42-8	44-2	46-2	47-5
	25	15-11	626-1	37-9	19-09	608-9	54-0	25-08	625-5	29-1	21-72	636-7	52-3	41-0	41-2	41-9	42-5
	26	14-65	632-2	44-2	18-47	612-5	46-4	25-55	626-0	37-2	22-72	646-0	47-8	39-8	40-2	42-1	43-8
	27	15-19	633-2	59-0	18-15	613-9	34-0	25-01	627-5	31-4	22-19	643-3	47-2	40-9	41-6	43-9	45-8
	28	15-05	639-7	53-3	16-00	621-8	58-2	24-48	627-4	39-4	23-19	643-2	49-8	42-7	43-7	46-6	49-1
	29	18-15	634-1	44-6	16-34	620-4	40-3	23-86	630-4	39-2	22-59	651-7	40-9	44-7	44-9	47-0	50-0
	30	16-40	625-6	50-7	20-29	608-8	40-7	23-66	636-8	47-9	20-37	653-6	50-1	45-8	45-5	46-1	47-5

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
May	2	18-01	630.7	32.5	19-30	623.3	31.2	24-33	618.3	39.0	24-95	652.6	47.6	49.8	49.9	50.8	52.2
	3	20-37	581.6	-23.7	23-27	604.1	32.2	32-35	659.5	63.7	23-13	642.2	133.9	48.8	48.8	49.3	49.7
	4	17-88	610.3	39.5	22-25	603.0	45.1	24-75	637.5	82.2	23-60	642.2	85.4	48.0	48.4	50.0	52.5
	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	6	12-16	608.1	35.6	22-45	592.3	54.3	25-96	622.0	45.6	21-25	639.3	66.7	53.5	52.6	52.8	52.8
	7	17-80	611.7	44.8	18-01	610.9	49.1	.....	.....	.....	23-94	644.0	67.8	45.6	44.7	.....	45.6
	9	13-31	623.8	45.8	16-00	614.8	55.4	23-66	627.6	44.3	21-38	641.5	64.7	41.6	42.0	43.0	44.5
	10	13-77	632.3	37.5	18-35	612.4	39.1	24-33	626.0	32.3	23-19	641.4	39.4	41.7	42.4	43.8	45.5
	11	12-89	628.7	52.2	16-61	618.4	36.4	23-74	627.7	30.5	20-70	641.8	47.9	41.6	41.8	43.1	45.1
	12	14-32	637.7	36.0	17-34	615.2	37.3	24-42	633.6	37.6	20-43	654.1	46.5	45.5	46.5	48.4	50.2
	13	14-44	631.0	44.8	18-88	643.6	26.6	25-29	642.6	34.0	21-38	649.0	40.7	46.7	47.2	49.1	51.4
	14	13-85	630.5	42.3	16-81	618.4	37.3	22-39	625.0	39.3	19-90	644.9	46.9	48.1	48.4	50.0	51.7
	16	14-18	632.8	37.0	20-37	622.0	30.7	24-42	623.5	40.2	19-70	645.3	8.3	49.0	49.7	51.9	.....
	17	13-71	617.6	37.2	17-54	622.7	30.9	23-34	625.0	34.7	20-84	655.2	44.3	48.9	49.5	51.9	54.5
	18	9-00	629.7	25.5	18-94	618.3	33.4	24-81	629.1	31.0	19-76	644.3	47.4	49.3	49.8	52.4	56.3
	19	11-02	624.1	44.5	19-42	627.9	28.5	25-49	631.5	41.3	21-58	680.1	110.2	53.7	54.2	56.8	59.3
	20	14-91	626.9	45.7	22-72	626.4	33.4	24-69	642.8	53.6	19-36	649.6	58.1	53.0	53.0	56.1	59.6
	21	12-50	624.2	48.4	23-80	614.2	44.9	24-69	644.1	41.9	18-01	622.0	74.6	55.0	55.1	57.5	60.6
	23	17-95	624.0	34.5	22-98	620.2	22.0	22-31	630.5	38.5	27-58	661.1	79.4	53.6	53.3	56.2	59.0
	24	14-99	622.6	45.6	.....	.....	.....	28-05	639.4	42.6	25-42	686.6	57.3	54.2	.....	58.2	61.3
	25	10-61	530.0	-20.3	23-60	613.2	43.5	27-84	611.0	79.1	24-33	653.7	103.0	57.0	57.8	60.3	62.8
	26	13-37	610.7	58.4	16-67	607.7	52.0	.....	.....	.....	.....	.....	.....	56.1	56.4	.....	.....
	27	34-10	619.4	55.1	19-36	612.8	54.0	22-25	630.2	53.9	21-25	636.5	62.9	60.3	60.5	61.0	61.5
	28	12-98	596.9	41.2	26-16	618.1	41.3	24-75	624.9	57.7	22-31	656.7	80.4	56.9	56.8	59.1	59.9
June	30	17-40	601.5	30.1	18-21	616.8	40.5	22-39	625.2	48.3	19-03	665.9	80.8	56.3	56.1	56.0	56.5
	31	9-61	610.9	27.0	20-76	615.8	43.6	24-69	637.3	51.2	22-86	674.1	61.4	53.2	53.3	55.0	57.3
	1	13-37	616.9	58.4	20-23	623.3	44.6	25-42	655.1	34.4	23-86	655.2	70.2	55.8	56.5	59.6	62.7
	2	28-51	585.4	-72.9	20-49	617.3	74.4	33-83	680.1	115.7	30-86	657.8	97.4	57.7	56.9	56.7	57.3
	3	15-46	599.7	43.7	16-61	614.5	52.9	22-66	620.9	54.4	20-03	628.1	57.2	52.6	52.7	55.0	57.4
	4	11-83	623.5	45.8	17-60	617.7	40.4	24-69	639.0	57.1	21-72	634.2	74.3	55.6	56.4	58.1	59.9
	6	8-94	621.9	48.0	15-94	624.1	42.9	24-69	633.3	39.5	27-38	640.7	49.5	56.4	57.7	60.2	61.9
	7	17-95	631.7	26.4	20-64	613.7	17.2	26-44	632.6	24.7	22-98	640.7	46.2	56.8	57.2	60.8	64.0
	8	13-71	622.5	50.4	23-27	616.4	35.9	31-06	616.0	34.8	24-07	643.8	49.7	58.9	59.4	62.5	66.1
	9	13-92	622.0	53.8	28-17	612.4	45.5	31-06	641.5	29.0	30-67	644.8	47.5	63.9	64.4	65.1	66.0
	10	15-46	618.3	18.9	22-78	618.7	47.2	26-03	629.8	57.0	22-11	640.3	57.2	61.4	61.8	64.0	65.3
	11	13-57	626.8	56.6	18-35	614.0	49.8	26-83	623.2	46.3	24-13	642.2	48.4	62.6	62.3	62.1	62.4
	13	13-04	626.1	56.2	28-45	620.5	41.3	25-82	631.6	38.7	22-72	647.6	67.6	55.1	56.2	57.8	60.4
	14	13-92	626.0	50.4	28-51	583.3	35.7	24-69	666.9	67.4	26-75	673.3	123.1	57.7	58.3	61.7	64.4
	15	13-51	631.4	53.2	21-25	622.0	52.0	25-68	633.8	72.0	21-58	643.6	67.7	63.4	63.3	63.9	65.1
	16	13-71	619.4	51.7	20-90	607.3	46.8	27-50	632.1	27.3	24-81	632.0	51.9	60.7	61.1	62.5	65.0
	17	10-67	618.0	55.5	19-15	617.5	41.3	28-05	635.5	37.8	25-15	639.7	55.2	60.7	61.0	62.4	64.5
	18	18-35	627.4	48.4	18-15	623.1	48.5	30-39	623.0	41.4	24-07	637.9	40.4	61.2	61.0	62.9	63.7
	20	9-88	617.8	47.0	20-37	611.3	37.8	31-06	641.9	27.5	26-29	671.6	57.7	57.7	58.0	58.8	60.4
	21	.....	.....	.....	18-15	606.3	30.6	24-89	622.2	132.9	22-98	612.9	72.2	.....	61.1	63.5	65.3
	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	23	12-98	612.8	51.2	18-15	609.9	38.4	27-38	625.6	37.0	24-75	633.3	46.7	61.2	61.7	65.2	68.2
	24	16-34	619.9	44.4	20-70	610.5	46.9	26-16	630.8	33.1	21-44	639.3	51.2	62.3	61.5	60.4	59.3
	25	14-18	626.0	51.7	18-15	620.9	27.5	31-14	636.3	37.3	25-08	647.5	48.2	56.4	56.7	58.7	60.6
	27	16-06	624.0	23.0	18-94	610.5	31.9	27-50	631.2	38.7	23-74	654.8	80.4	60.3	61.1	62.6	64.1
	28	14-24	616.4	22.4	25-15	600.0	39.6	23-80	624.6	45.3	22-05	639.8	75.5	61.1	61.5	63.2	65.4
	29	14-79	611.5	38.6	17-74	614.5	43.6	24-42	628.1	37.8	22-05	647.9	56.4	61.0	61.1	60.7	61.4
	30	13-77	618.4	50.4	18-62	619.4	47.6	21-99	629.6	45.4	20-70	656.0	52.3	58.6	59.3	60.7	62.1

DAILY OBSERVATIONS OF MAGNETOMETERS DURING JULY AND AUGUST, 1853.

35

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
July	1	13-10	624.7	41.5	18-82	609.7	39.4	.....	.....	30-33	655.3	50.4	58-0	58-7	.....	61-0	
	2	11-63	620.4	37.0	18-55	607.5	45.3	26-56	642.3	37.1	25-22	668.3	63.3	58-0	58-1	58-5	59-4
	4	14-38	621.9	54.2	21-05	617.5	44.9	24-33	630.2	43.0	29-05	641.9	50.0	61.1	61-5	62.4	63-1
	5	12-89	631.3	43.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	60-8	.....	.....	.....
	6	12-63	621.8	26.2	18-94	621.3	22.1	26-83	636.4	28.9	23-34	642.8	36.0	59-8	60-6	62.0	63-2
	7	11-90	630.0	40.9	18-55	624.5	27.5	24-48	641.6	29.9	22-92	651.6	36.0	60-1	61-3	63.0	64.4
	8	11-96	628.9	35.8	18-74	629.7	31.7	28-58	633.0	34.6	29-85	642.6	64.2	59.5	60-1	62.0	65.5
	9	17-80	634.7	26.2	16-81	617.3	27.3	27-38	632.2	27.6	21-44	648.1	33.9	61-6	62.0	63.1	63-8
	11	11-96	624.6	41.1	23-07	612.7	39.4	29-60	634.9	38.0	29-25	653.9	53.7	60.7	62.0	63.2	64.2
	12	22-78	616.7	34.5	23-94	616.0	39.2	33-36	657.4	53.6	27-84	679.6	87.7	60.7	61.5	63.4	64.8
	13	14-99	581.6	48.1	18-35	597.6	69.8	25-89	623.7	59.8	20-43	641.4	72.1	60.0	60.4	62.7	64.8
	14	14-85	623.0	57.2	20-76	603.0	53.1	26-83	617.9	49.3	19-62	634.9	66.2	61.6	60.8	60.0	60.0
	15	.....	.....	.....	.....	.....	.....	29-80	637.3	33.6	20-03	655.0	99.1	.....	.....	57.2	57.9
	16	10-40	619.9	49.0	19-15	616.2	37.3	24-95	623.4	40.5	20-37	644.9	60.9	57.3	58.0	59.1	60.1
	18	25-55	612.8	45.1	20-64	629.3	30.2	28-58	619.0	37.7	21-38	635.0	44.9	57.7	59.5	60.7	62.0
	19	13-18	624.7	48.3	18-35	619.8	41.7	22-72	628.1	42.4	18-47	637.7	41.9	59.7	59.5	60.5	62.8
20	15-26	622.3	42.5	20-49	613.9	40.3	25-29	629.7	36.9	27-31	636.3	54.3	60.1	60.5	62.8	63.8	
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	13-45	617.8	43.4	23-86	616.7	29.3	30-94	643.6	28.9	.....	.....	.....	58.5	59.1	61.2	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	23-40	635.0	42.6	.....	.....	.....	62.8	
26	16-40	623.3	50.6	16-40	619.0	40.4	29-18	622.0	34.2	20-96	642.8	52.3	60.0	60.3	61.2	62.4	
27	22-78	611.9	41.6	20-17	606.8	39.7	20-29	617.4	36.5	22-92	647.1	50.2	58.2	58.8	59.7	60.5	
28	21-05	619.0	32.9	18-62	613.7	32.1	23-46	620.8	49.3	22-19	641.8	49.1	57.6	59.2	60.8	62.1	
29	15-94	621.6	34.1	17-88	619.6	32.3	25-01	643.3	37.5	23-13	646.4	54.0	59.2	59.4	59.3	60.2	
30	16-00	615.0	20.4	18-94	618.0	30.0	22-86	631.2	29.5	.....	.....	.....	56.6	57.1	58.0	.....
Aug.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2	.....	.....	.....	16-20	619.4	45.7	24-89	628.6	40.0	20-37	646.0	30.8	.....	57.3	60.5	62.6
	3	14-32	621.9	30.6	19-42	645.9	40.0	25-89	640.8	39.0	.....	.....	.....	58.2	58.9	59.5	.....
	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	9	.....	.....	.....	17-48	625.2	20.1	31-06	622.8	26.7	23-07	635.6	52.7	.....	64.2	65.0	66.2
	10	19-97	624.4	39.2	15-58	619.1	38.2	22-98	625.4	35.9	18-47	648.3	47.7	60.7	60.8	62.9	66.7
	11	13-37	623.6	43.6	16-46	614.7	34.9	25-76	632.3	35.9	20-64	643.3	37.6	59.4	59.6	62.7	66.1
	12	10-61	628.6	43.8	15-73	620.7	37.3	24-81	640.4	36.7	19-36	643.8	15.6	63.3	63.5	65.5	66.8
	13	13-92	624.4	38.8	16-06	618.2	34.5	21-84	639.2	37.8	20-49	647.9	40.0	60.5	60.2	60.6	62.0
	15	20-49	626.0	40.5	19-03	613.4	30.1	23-34	631.1	27.8	17-80	641.5	33.9	57.1	56.2	59.5	60.8
	16	11-63	628.9	33.3	18-74	630.1	21.6	22-78	638.0	21.3	.....	.....	.....	57.8	57.7	60.5	.....
	17	13-45	630.1	31.6	20-29	629.0	25.2	27-38	632.3	36.1	20-70	650.3	41.3	58.7	59.0	60.2	61.3
	18	14-91	626.3	44.2	18-74	626.6	39.9	22-59	644.2	32.0	18-35	650.6	48.9	56.7	57.1	59.0	61.3
19	12-50	629.2	26.5	21-99	620.1	57.6	24-48	651.0	29.6	23-74	656.4	41.6	60.2	61.2	63.7	65.4	
20	14-12	603.5	37.6	21-11	611.1	34.3	25-89	639.2	32.0	19-42	639.4	47.1	61.6	62.0	64.0	65.9	
22	10-61	620.3	31.3	19-36	616.6	33.3	27-03	638.7	40.1	20-09	635.9	61.0	62.1	62.4	64.2	65.5	
23	12-36	615.2	40.3	18-01	613.4	30.2	25-89	636.1	31.1	22-59	648.3	59.4	57.3	57.3	59.6	62.2	
24	11-96	618.5	30.9	16-73	611.5	32.2	.....	.....	.....	20-09	641.3	50.3	55.2	55.5	.....	62.1	
25	12-36	616.4	31.0	20-76	607.4	32.1	24-69	639.4	12.4	19-62	635.2	51.7	54.9	56.8	57.9	58.4	
26	9-33	629.6	18.0	17-74	619.8	24.2	28-31	635.7	33.9	8-07	664.6	56.4	58.6	60.1	62.2	62.9	
27	11-02	614.1	30.1	21-64	591.3	37.2	26-16	628.8	29.3	16-87	635.5	58.5	58.7	58.4	59.2	61.0	
29	12-57	621.6	.....	17-40	618.9	32.3	24-07	634.0	24.3	18-27	643.5	39.3	58.5	58.5	59.7	61.0	
30	12-83	628.4	.....	18-68	622.5	28.7	26-16	642.6	19.7	15-79	638.5	51.3	55.5	55.8	58.4	59.8	
31	11-43	625.8	34.0	19-70	617.1	28.9	22-92	642.1	20.1	18-55	645.9	29.5	53.6	54.1	57.2	59.2	

36 DAILY OBSERVATIONS OF MAGNETOMETERS DURING SEPTEMBER AND OCTOBER, 1853.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Sept.	1	9.61	624.0	39.5	19.70	616.1	24.9	25.29	636.8	31.1	16.67	638.9	43.0	52.6	53.2	56.9	58.8
	2	38.47	617.3	74.2	23.80	599.2	57.8	15.32	617.1	5.6	23.94	679.3	184.9	53.6	54.0	54.8	55.8
	3	17.95	546.4	56.8	21.99	612.5	94.7	26.96	649.0	98.4	20.76	629.8	76.1	51.5	52.2	53.9	55.7
	5	14.18	611.5	38.3	20.03	615.1	35.1	22.98	638.1	34.5	17.68	639.8	41.8	49.0	48.8	53.3	58.5
	6	12.98	625.4	40.9	21.05	605.1	29.6	41.10	606.3	61.2	26.56	660.7	106.7	52.6	52.5	56.0	61.0
	7	11.83	614.5	42.7	17.54	619.2	42.6	.....	.....	.....	.....	.....	.....	53.3	53.6	.....	.....
	8	12.42	625.4	43.6	17.68	609.5	43.1	27.84	620.8	37.4	17.07	633.2	46.9	57.6	58.0	58.7	59.5
	9	.....	.....	.....	16.67	606.5	38.7	24.89	630.8	47.3	18.21	635.5	47.8	.....	57.4	59.0	59.7
	10	13.57	625.1	41.5	19.42	618.1	39.8	21.32	635.4	37.9	16.40	634.9	38.0	56.8	57.6	60.5	62.6
	12	12.57	627.0	26.5	22.31	622.0	23.5	22.51	634.9	25.8	17.13	643.6	28.2	60.8	61.4	63.9	65.2
	13	12.77	625.9	38.5	20.37	619.1	30.6	21.92	633.7	32.1	15.73	636.9	34.3	58.5	57.5	57.9	59.1
	14	12.10	627.3	11.8	18.94	619.5	29.0	22.92	634.1	26.2	17.07	627.3	48.6	52.2	51.7	54.2	56.7
	15	15.26	632.3	22.6	21.84	623.9	30.8	23.40	646.4	21.2	24.48	636.5	51.3	53.4	53.5	55.6	57.7
	16	13.98	623.1	36.0	20.76	621.5	29.1	24.13	647.3	30.1	17.34	640.9	37.8	53.4	53.1	55.0	58.1
	17	14.12	632.9	33.0	17.40	625.1	26.2	26.16	635.0	31.9	15.38	640.3	29.5	55.0	54.8	58.6	61.0
	19	15.38	621.5	22.9	17.95	612.5	41.5	21.25	624.4	40.1	16.67	639.4	52.3	57.0	57.4	59.5	61.4
	20	13.57	628.5	30.7	21.38	614.6	36.9	24.54	640.3	65.1	18.35	651.4	72.1	56.7	57.6	59.0	60.2
	21	13.37	617.3	36.0	21.78	617.3	27.5	23.34	628.5	33.7	17.40	639.5	39.1	58.1	58.2	60.0	61.4
	22	12.36	623.2	32.5	15.46	616.0	28.5	22.72	628.8	31.8	19.36	637.7	32.3	58.0	58.2	59.3	59.5
	23	12.98	630.2	31.0	17.95	619.9	23.5	25.76	638.6	21.4	19.42	640.1	33.4	51.6	52.0	53.4	54.5
	24	12.63	632.0	34.7	16.61	621.9	26.8	21.92	635.5	24.5	18.62	644.1	27.6	48.8	49.4	52.8	54.8
	26	15.32	629.7	22.5	22.66	605.8	30.2	24.69	637.9	49.0	17.74	629.0	46.0	46.6	46.7	48.7	50.4
	27	11.96	633.6	33.2	16.06	619.4	28.9	19.76	619.6	29.5	16.87	640.2	37.1	46.0	46.6	48.9	51.6
	28	19.62	594.6	74.0	30.00	585.7	40.7	25.96	639.4	126.5	21.11	631.0	76.3	54.0	54.8	57.1	57.3
	29	14.85	620.7	22.7	16.54	617.4	33.0	.....	.....	.....	16.81	633.3	37.7	52.3	51.8	.....	55.1
	30	13.31	632.4	31.8	18.01	621.8	30.7	22.39	630.0	33.8	21.05	638.6	30.4	50.2	49.9	52.3	54.8
Oct.	1	19.36	632.0	23.1	22.86	627.9	20.2	29.12	629.1	36.5	15.38	628.4	59.7	50.3	49.9	50.6	51.6
	3	13.65	632.5	29.8	16.54	622.4	34.2	23.07	634.2	30.2	18.01	642.0	34.1	41.3	41.5	45.8	49.6
	4	13.37	634.1	33.6	17.40	621.5	35.9	20.90	634.6	23.6	17.28	640.5	34.6	46.1	47.6	50.5	53.0
	5	14.59	632.2	27.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.5	.....	.....	.....
	6	13.25	638.2	27.2	16.61	641.5	27.8	23.34	633.3	20.9	17.95	641.5	31.3	53.6	53.7	53.4	52.7
	7	14.18	638.8	25.7	14.91	622.4	25.9	21.52	633.3	21.7	18.01	644.7	26.5	50.8	51.1	52.1	52.5
	8	12.98	638.6	24.4	14.24	622.6	16.7	20.70	633.8	20.3	17.80	642.0	27.5	51.0	51.5	53.1	53.4
	10	14.59	637.8	20.1	17.13	630.5	16.8	20.70	632.8	29.5	18.62	636.4	35.1	54.3	54.1	54.3	53.7
	11	14.18	630.3	35.7	21.84	624.7	37.9	19.82	629.6	43.9	17.01	639.0	55.1	51.3	50.9	51.5	52.2
	12	12.10	643.5	41.2	14.04	621.0	37.9	19.42	633.9	27.2	16.93	637.2	34.4	50.0	50.6	52.2	53.7
	13	12.30	643.4	22.6	16.93	624.6	29.4	21.38	629.9	34.3	16.61	640.0	35.4	49.0	49.1	50.1	50.6
	14	14.32	644.0	31.6	17.54	626.2	25.9	22.05	639.3	18.9	20.76	644.2	37.3	49.0	49.4	51.5	52.5
	15	11.96	626.9	35.5	.....	.....	.....	22.05	631.4	30.1	19.36	643.4	38.0	50.0	.....	50.9	52.2
	17	.....	.....	.....	18.55	626.8	23.2	26.75	634.2	30.6	18.15	639.5	45.6	.....	44.3	47.4	50.2
	18	14.71	625.8	24.0	17.54	625.1	23.6	27.98	628.4	42.4	17.80	637.6	38.3	43.7	43.4	46.7	49.9
	19	14.79	631.9	22.6	16.40	620.7	23.6	21.99	626.5	27.2	17.21	618.9	37.8	43.0	42.2	43.5	45.3
	20	15.94	627.5	28.3	18.07	627.4	28.0	23.19	635.2	28.8	18.07	640.0	38.4	45.2	45.9	48.7	51.1
	21	14.12	627.3	22.2	21.38	629.4	20.6	26.08	633.6	31.5	18.07	614.7	72.0	47.3	47.9	50.1	52.5
	22	13.18	637.7	33.0	16.93	619.4	32.1	20.96	649.1	29.4	16.40	638.5	34.7	51.0	51.6	53.8	55.0
	24	13.18	640.1	27.1	20.57	621.3	37.1	26.16	633.5	50.9	20.96	642.3	58.2	52.9	53.6	55.9	56.5
	25	17.28	634.9	23.5	19.97	626.8	32.1	28.85	656.3	37.7	12.95	641.4	112.2	53.9	54.3	55.5	56.7
	26	15.94	628.1	35.1	17.07	619.8	38.8	19.76	623.9	35.4	16.73	635.7	28.2	49.5	48.2	48.1	48.5
	27	15.11	639.6	27.4	20.23	619.0	33.4	.....	.....	.....	.....	.....	.....	48.1	47.6	.....	.....
	28	14.59	639.4	34.4	17.68	623.0	31.0	21.72	632.0	28.3	17.34	638.7	29.3	49.5	49.2	49.2	49.1
	29	13.65	638.6	23.9	15.19	626.3	22.8	21.05	634.9	22.9	19.03	640.3	19.9	48.0	47.6	49.7	50.7
	31	13.98	641.6	20.0	16.87	638.9	16.7	25.49	658.6	24.2	21.72	649.1	103.6	45.2	45.4	47.1	48.0

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Nov.	1	14-18	623.6	38.7	18-82	616.1	36.1	20-17	628.0	50.3	17-34	629.0	59.5	51.4	51.6	53.7	54.3
	2	17-01	629.1	28.6	18-07	623.6	29.0	20-03	632.5	33.1	16-61	631.4	34.2	50.8	50.9	52.3	52.2
	3	13-71	631.2	23.5	17-60	624.9	28.1	18-62	633.3	29.0	16-54	637.8	36.0	47.0	45.7	47.1	49.3
	4	14-52	637.4	24.8	17-13	623.7	30.5	22-39	625.3	39.4	18-47	640.8	42.0	47.4	47.7	50.1	53.1
	5	14-32	637.2	19.8	17-07	625.4	24.4	19-30	633.6	33.0	15-94	639.7	29.9	47.6	47.6	48.1	48.1
	7	18-68	645.7	17.9	16-73	617.7	21.0	21-11	629.9	30.0	17-01	639.2	30.2	48.3	48.5	50.1	51.6
	8	16-73	646.7	17.9	18-15	634.9	26.5	24-54	656.8	21.9	24-01	639.1	35.9	48.4	48.8	49.6	49.7
	9	14-65	637.9	26.8	17-95	631.3	21.3	28-37	633.9	38.1	17-28	613.5	99.1	43.2	43.2	45.3	46.6
	10	21-64	613.7	29.0	16-34	628.1	19.7	.....	.....	.....	.....	.....	.....	44.9	45.3	.....	.....
	11	14-99	635.1	25.5	16-00	623.4	32.7	19-76	631.4	33.8	18-01	642.4	34.3	47.1	46.7	47.8	48.6
	12	13-31	635.8	27.9	16-67	628.5	29.3	20-76	638.1	34.5	15-52	640.9	35.0	41.0	40.2	42.4	44.6
	14	15-46	635.8	16.2	12-57	637.8	36.0	17-01	643.2	32.7	15-67	643.2	22.2	36.6	37.2	39.1	41.0
	15	14-18	643.3	14.8	17-60	643.9	14.4	19-09	648.4	20.1	15-67	656.7	25.4	38.2	38.5	40.8	42.6
	16	15-58	623.8	3.6	20-84	630.6	9.7	21-17	640.9	35.6	17-60	642.3	37.7	37.9	37.6	38.0	38.8
	17	16-00	630.8	17.7	19-70	624.0	22.1	19-30	626.4	37.9	16-06	639.6	36.9	37.0	36.0	37.2	40.0
	18	16-67	644.7	16.4	18-53	635.7	20.0	19-36	639.7	28.0	19-09	635.3	49.4	35.0	36.0	37.8	40.5
	19	16-06	651.1	19.8	17-40	638.7	24.3	19-76	638.7	28.0	17-13	643.8	40.2	43.0	44.3	45.1	46.6
	21	15-67	644.0	22.8	14-91	638.8	25.0	.....	.....	.....	15-46	638.4	37.7	40.6	39.2	.....	41.7
	22	15-58	645.6	13.7	18-68	635.2	20.0	20-84	639.5	27.5	18-47	642.3	33.3	37.1	36.7	38.2	40.9
	23	17-68	637.5	17.7	15-58	630.4	17.1	19-42	630.7	21.6	19-56	641.1	31.6	35.5	34.7	35.2	36.3
	24	14-38	646.7	22.4	16-67	635.5	24.6	20-37	634.9	29.8	17-13	644.5	24.4	34.7	35.1	35.5	36.1
	25	15-05	643.9	18.4	19-62	618.6	28.5	20-37	643.9	19.5	16-61	647.7	3.7	36.1	35.8	36.5	37.3
	26	16-06	634.8	8.2	16-40	636.4	8.2	18-68	642.7	9.2	15-58	648.7	13.9	37.9	37.0	37.6	39.4
	28	14-85	643.8	13.6	17-60	640.5	15.7	20-43	646.8	16.0	16-14	642.6	23.0	37.3	37.9	39.8	42.2
	29	16-40	643.0	20.2	17-48	639.4	23.1	.....	.....	.....	17-13	645.2	24.3	39.6	41.3	.....	43.9
	30	15-32	645.1	14.9	15-19	637.8	5.6	17-01	644.0	25.5	16-34	640.4	19.2	44.3	43.6	45.3	46.7
Dec.	1	14-59	642.6	8.1	17-07	639.7	11.3	19-76	646.7	9.6	17-28	647.6	16.9	39.2	38.8	41.7	44.6
	2	26-22	658.3	-9.2	18-47	637.6	6.8	21-58	632.3	13.4	16-34	642.2	9.8	44.0	43.7	43.3	43.1
	3	17-74	644.4	-8.2	19-70	631.0	6.7	.....	.....	.....	19-23	636.0	20.6	38.2	37.0	.....	39.2
	5	22-86	650.6	1.5	22-11	659.8	11.3	21-11	631.6	37.9	15-52	644.0	41.0	39.8	39.5	40.5	41.2
	6	17-48	644.9	16.9	18-21	642.5	9.3	29-65	629.8	78.3	13-45	*	320.4	36.1	34.7	34.9	37.0
	7	14-59	621.0	45.2	19-03	627.2	41.7	18-01	630.6	47.2	20-64	630.9	44.3	35.0	34.7	35.1	35.9
	8	16-34	631.2	29.5	18-74	628.1	28.7	19-90	634.3	30.3	17-80	637.3	31.8	37.8	38.5	39.7	40.1
	9	15-87	630.6	21.6	17-68	632.8	21.7	19-62	639.2	19.7	16-81	642.8	21.4	33.8	33.3	33.6	35.6
	10	15-73	633.5	9.4	16-61	637.5	6.6	18-21	610.4	21.1	15-87	643.2	14.5	31.1	30.2	31.0	32.8
	12	15-73	644.0	9.8	16-54	639.5	7.1	18-21	641.5	12.6	17-40	641.8	7.5	36.1	35.8	35.5	35.0
	13	14-32	642.3	13.6	21-92	641.7	4.0	33-15	630.2	51.1	23-34	629.5	61.5	34.8	31.7	31.5	31.7
	14	20-43	638.2	9.5	16-06	632.8	20.4	20-03	637.6	12.8	17-68	638.9	18.8	36.8	38.1	39.3	39.6
	15	18-35	644.7	10.3	21-72	631.7	10.0	19-42	635.7	11.5	16-73	636.0	22.5	39.7	38.2	38.3	38.9
	16	17-01	647.5	6.4	18-94	627.3	15.8	24-13	639.9	25.4	17-40	638.6	26.2	37.9	39.0	38.3	38.6
	17	16-61	639.6	-2.1	17-68	623.2	11.1	26-49	641.0	27.3	16-61	612.6	55.2	37.0	36.7	36.8	37.0
	19	16-73	641.1	20.8	17-80	638.0	12.0	18-41	638.4	19.5	16-34	643.9	20.1	33.4	32.9	33.7	34.0
	20	15-79	646.0	9.3	16-40	633.5	6.8	19-03	640.0	11.8	14-04	626.0	38.0	35.6	36.4	37.2	37.8
	21	16-00	653.1	1.8	17-28	638.0	5.7	25-01	636.4	18.3	6-52	651.6	78.1	39.0	39.0	38.8	38.9
	22	16-93	635.6	16.6	18-35	628.2	20.7	18-68	644.2	16.9	14-32	635.7	25.2	37.6	37.7	37.2	38.1
	23	15-11	641.6	11.2	16-93	643.1	18.0	20-23	644.8	17.8	17-68	640.3	34.9	37.3	38.4	38.9	39.4
	24	15-67	640.0	11.6	17-40	638.4	10.3	19-15	642.4	15.9	11-29	628.1	39.8	38.5	37.8	37.7	38.7
	26	15-58	643.7	8.1	17-34	641.2	10.6	18-27	644.7	15.6	18-07	638.2	17.2	37.4	37.2	37.2	37.2
	27	15-73	642.6	10.5	16-34	641.8	12.6	17-88	642.6	13.4	15-67	643.9	12.1	31.7	30.9	31.1	31.3
	28	14-99	645.1	8.4	15-19	649.6	9.8	17-60	646.6	13.0	18-07	641.8	19.4	29.5	30.1	31.6	33.0
	29	17-74	646.6	-7.4	16-67	641.5	11.0	17-74	639.4	13.6	19-62	632.0	24.3	32.7	31.3	31.2	31.7
	30	15-67	649.8	1.3	16-61	647.4	1.9	16-20	644.3	5.9	15-38	644.4	8.1	33.6	33.4	33.3	33.3
	31	17-68	635.9	13.7	17-01	640.7	1.7	17-01	638.9	12.6	16-40	639.0	15.2	28.9	28.2	28.3	29.0

* Out of field.

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Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.					
Jan.	2	14-99	647.2	6.2	17-13	644.7	0.1	25-82	628.9	25-8	26-44	620.0	211.3	22.9	21.8	23.1	25.4
	3	.....	.....	.....	19-36	626.3	21.4	16-40	633.6	33-2	19-62	624.5	44.8	.....	19.6	19.6	20.5
	4	16-00	637.2	14.6	18-15	639.0	14.2	.....	.....	.....	.....	.....	.....	18.6	20.5	.....	.....
	5	16-26	638.5	10.8	19-09	630.1	14.9	16-67	639.4	9.2	12-89	640.2	22.5	30.3	30.8	31.7	32.5
	6	14-24	642.4	8.0	17-60	639.1	9.7	17-80	646.3	25.6	16-00	645.3	10.7	32.1	32.1	34.7	33.1
	7	14-65	642.1	7.2	17-28	642.6	7.0	17-74	647.3	11.5	17-95	644.7	10.8	30.5	29.3	29.3	30.9
	9	14-12	637.5	4.8	15-58	627.1	14.3	16-81	635.1	12.0	19-15	636.8	4.3	36.2	36.1	36.6	36.0
	10	13-77	633.1	5.4	16-93	633.1	20.8	16-14	642.2	18.2	14-79	642.7	11.8	33.2	34.4	35.0	35.1
	11	13-04	648.0	3.8	15-94	637.5	15.4	20-17	642.7	20.3	16-06	641.0	14.5	33.0	32.5	32.9	33.4
	12	23-40	640.8	17.4	18-74	635.2	4.2	20-64	632.3	10.3	14-65	643.0	8.0	28.3	27.4	27.6	31.5
	13	.....	.....	.....	19-15	635.0	5.4	22-59	640.8	21.4	16-00	639.5	25.3	.....	31.9	33.0	34.0
	14	14-24	644.9	3.3	20-23	640.9	8.8	16-67	635.0	7.9	16-26	638.9	17.7	32.7	33.1	34.5	36.3
	16	15-11	648.3	-5.7	18-01	640.5	8.6	18-15	644.2	10.1	18-01	649.1	17.1	31.1	30.6	31.6	33.0
	17	22-11	645.4	-10.1	22-39	633.9	-1.5	20-76	635.3	11.7	14-99	642.9	6.1	36.2	36.8	39.9	42.4
	18	12-69	651.4	1.0	15-73	634.3	7.6	17-68	628.5	14.0	13-98	638.0	27.7	45.0	45.6	46.0	46.7
	19	13-98	643.2	1.4	18-94	627.4	3.0	19-42	635.8	9.0	5-49	628.5	69.1	45.4	45.6	46.4	46.9
	20	16-81	643.8	-0.7	21-78	626.0	9.5	18-94	634.9	15.3	15-94	639.2	45.4	43.6	43.7	44.5	44.9
	21	15-26	645.9	3.8	17-60	629.5	12.2	19-36	651.0	17.1	16-61	632.1	39.7	42.6	42.2	42.2	42.6
	23	14-99	638.1	10.9	16-26	642.9	-3.7	18-68	645.9	8.5	18-68	647.2	15.6	43.9	43.2	44.1	45.5
	24	16-06	639.5	-6.8	17-40	636.2	8.5	21-38	639.4	11.9	16-54	637.3	20.9	46.3	46.2	45.9	46.0
	25	14-38	640.6	8.2	15-58	638.1	11.0	16-93	644.6	10.3	14-59	645.0	12.4	39.8	38.9	39.2	39.6
	26	11-90	651.1	0.0	16-34	644.8	8.2	19-15	647.1	24.6	14-38	644.3	5.6	38.3	37.9	38.2	39.7
	27	14-04	643.3	-17.0	15-32	642.6	-10.7	18-68	645.7	0.5	14-99	645.6	6.3	37.9	40.5	43.0	45.0
	28	14-24	649.5	3.4	14-65	642.8	5.3	17-01	642.8	10.9	16-34	650.3	4.6	43.9	42.7	43.2	44.5
	30	14-59	645.2	-6.9	18-62	619.5	12.9	16-93	640.9	26.9	19-50	640.7	27.6	43.3	44.4	45.9	47.8
	31	15-19	632.9	0.7	17-68	632.2	9.3	14-85	614.5	16.6	17-34	641.5	27.3	46.4	45.7	46.2	46.8
Feb.	1	14-59	643.7	-0.2	14-04	637.3	18.9	18-55	641.5	8.1	15-79	637.3	10.8	45.8	44.9	44.7	44.3
	2	14-85	642.5	2.7	15-73	638.2	3.9	.....	.....	.....	14-59	643.0	15.0	38.8	38.5	.....	43.4
	3	13-77	641.8	7.2	14-99	633.3	11.5	16-93	643.0	12.5	15-73	649.2	8.9	39.2	38.2	40.1	42.0
	4	14-99	656.8	-9.6	15-26	637.0	5.6	21-64	620.2	22.6	16-93	651.3	26.3	37.6	36.7	37.1	38.7
	6	14-32	643.0	3.0	15-32	629.2	14.8	18-68	637.7	4.6	15-73	623.8	19.4	46.9	47.5	48.8	49.3
	7	12-77	639.1	11.7	16-00	630.0	15.5	19-70	636.7	12.1	16-67	643.0	5.4	46.7	45.4	45.2	45.1
	8	20-29	639.7	-17.5	13-04	632.4	11.7	20-09	634.5	20.2	16-34	640.9	20.5	38.8	38.2	39.2	40.5
	9	15-05	647.2	11.4	15-19	637.4	-10.0	18-35	637.6	14.5	15-79	643.3	4.5	39.3	39.5	40.8	41.1
	10	13-45	647.0	-1.4	29-05	610.4	4.4	23-34	633.3	19.4	22-72	633.7	79.9	36.6	36.4	36.7	37.2
	11	17-28	626.9	22.8	25-08	608.2	30.2	28-45	630.5	7.0	21-52	645.8	115.8	36.2	35.0	35.2	36.5
	13	15-52	643.6	6.2	13-71	629.5	17.5	24-48	635.4	23.8	19-09	637.8	34.1	38.3	37.8	39.3	41.4
	14	13-31	656.9	28.6	14-65	640.2	9.2	.....	.....	.....	.....	.....	.....	41.6	41.2	.....	.....
	15	13-51	638.9	11.0	19-36	632.4	17.0	19-23	630.3	46.6	9-61	666.1	126.2	43.0	41.7	41.2	40.5
	16	16-81	621.0	8.5	16-54	625.6	18.8	21-92	648.6	20.0	21-72	604.7	61.8	36.1	35.7	36.2	38.4
	17	13-92	644.2	13.3	18-88	619.7	29.3	16-67	640.5	11.6	14-12	634.2	53.0	42.1	42.6	43.0	42.6
	18	13-71	637.8	-5.9	13-71	623.8	-10.8	19-03	634.9	20.1	16-14	629.8	26.7	34.5	34.3	35.1	36.1
	20	14-44	638.2	17.9	16-26	635.4	10.8	17-01	638.2	7.6	14-99	643.0	15.4	38.7	40.2	42.6	44.4
	21	12-02	644.2	-3.4	12 10	632.9	8.4	17-88	639.9	10.7	16-14	648.6	15.3	38.1	37.2	38.7	40.2
	22	13-31	645.4	-1.8	14-24	644.9	-3.3	19-70	651.6	-6.1	16-87	649.3	7.1	41.9	42.6	44.1	45.4
	23	12-77	645.5	3.5	16-73	637.0	6.2	17-74	642.0	-4.6	14-12	648.6	-4.5	40.8	40.6	41.7	44.0
	24	12-22	653.1	1.1	14-59	644.3	-3.0	18-07	646.5	-2.6	23-60	676.8	22.8	42.2	42.2	43.3	44.6
	25	13-77	629.6	18.6	14-12	599.0	24.7	20-09	654.8	35.4	21-99	630.5	67.7	42.6	42.3	43.1	44.2
	27	13-65	633.3	-14.2	13-71	628.7	11.4	19-70	640.9	10.8	19-03	654.3	24.2	45.5	46.1	46.8	47.4
	28	14-24	636.6	0.4	14-59	622.0	11.4	17-95	638.6	4.9	17-13	631.9	28.8	46.5	45.1	45.6	46.8

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
		sec. div.	mic. div.		sec. div.	mic. div.		sec. div.	mic. div.		sec. div.	mic. div.					
Mar. 1	12-63	646-4	-10-9	14-52	627-8	-2-8	19-03	639-1	4-3	15-94	641-0	14-5	43-6	44-4	45-6	49-1	
2	12-10	638-1	12-2	13-77	634-4	-2-5	19-90	645-2	5-8	16-26	646-5	18-2	41-2	41-5	43-1	45-9	
3	13-85	650-0	-7-7	14-32	628-1	5-4	20-23	637-3	10-7	21-17	652-8	39-6	43-6	44-1	46-6	49-1	
4	15-94	642-1	-17-3	15-11	633-0	12-7	21-25	637-0	17-2	16-67	634-4	32-5	42-9	41-5	43-7	48-3	
6	18-07	653-4	-9-6	13-77	628-4	1-8	20-49	639-5	-1-1	17-34	649-5	12-8	39-9	38-4	41-0	44-4	
7	13-31	647-4	-1-1	16-73	612-3	11-0	19-90	624-1	24-3	14-12	648-5	50-9	41-9	41-7	43-5	45-7	
8	11-63	641-7	1-8	13-77	634-1	-10-9	18-35	640-3	-8-6	15-26	642-1	1-4	46-4	47-8	50-2	52-6	
9	13-71	647-2	-7-2	13-31	630-4	8-4	21-84	649-5	10-8	14-18	639-3	10-7	51-2	52-0	53-7	53-7	
10	11-83	641-9	4-0	13-18	632-9	10-3	19-30	639-4	-4-9	13-92	646-3	18-3	50-8	50-6	50-7	52-1	
11	12-57	647-8	-0-1	14-79	633-3	6-4	20-43	636-3	6-6	15-79	647-5	15-9	47-9	48-7	50-2	50-9	
13	10-28	638-9	11-4	13-04	637-1	8-9	20-37	642-8	-3-5	18-15	652-2	15-3	45-3	46-1	48-5	49-7	
14	23-07	643-5	-9-9	17-34	624-2	0-0	22-45	647-3	3-4	16-67	645-1	29-2	50-0	49-8	50-2	50-9	
15	9-27	641-6	1-5	12-89	628-1	11-9	21-05	641-5	-1-0	17-95	651-8	15-8	45-8	46-1	48-0	50-9	
16	17-01	621-3	-9-1	15-19	626-5	20-3	20-03	612-5	87-6	14-18	644-7	55-4	50-1	50-2	51-0	51-4	
17	15-79	629-2	-20-7	.....	.....	.....	.....	.....	.....	.....	.....	.....	42-2			
18	12-30	643-6	4-4	13-71	633-9	9-1	19-15	636-6	11-7	15-46	652-5	19-5	45-3	45-3	46-6	47-8	
20	12-22	627-4	17-4	11-02	630-2	28-9	18-74	635-8	-0-5	17-07	647-0	5-9	39-2	39-7	41-4	42-6	
21	11-69	643-5	2-5	15-26	630-9	14-9	19-82	644-8	-1-2	19-70	644-4	25-3	41-1	41-4	42-7	44-7	
22	9-00	642-6	5-7	12-36	636-9	4-6	17-28	642-9	3-7	17-74	644-0	14-1	40-9	40-6	45-0	48-7	
23	10-40	638-8	15-8	14-59	624-9	-4-1	19-76	629-4	-3-1	17-01	646-6	13-8	41-5	41-1	51-0	52-0	
24	11-55	633-8	14-3	14-52	633-4	9-9	17-07	642-4	3-3	15-32	647-1	6-1	45-8	45-4	48-5	52-3	
25	9-27	636-0	14-7	14-44	635-7	-3-0	23-80	632-9	1-0	22-72	646-2	18-1	44-7	45-0	46-8	48-7	
27	11-29	627-6	+7-3	16-34	628-0	20-3	24-54	650-0	3-8	18-15	648-5	16-7	43-7	44-5	46-7	49-1	
28	7-45	596-0	-76-9	20-03	586-2	77-3	16-34	689-4	137-5	11-16	693-8	161-1	47-2	48-3	50-9	53-0	
29	9-81	626-4	18-6	14-91	619-8	21-6	23-54	637-8	25-5	34-50	679-1	93-7	51-3	51-2	51-5	51-7	
30	11-16	635-8	12-6	14-65	624-6	19-5	22-05	652-8	23-5	17-40	639-0	38-8	49-6	49-6	50-3	50-8	
31	16-73	650-4	16-3	18-55	620-5	9-7	21-78	647-1	27-8	12-02	641-6	28-5	45-3	45-3	48-5	48-6	
April 1	10-67	636-9	10-6	12-42	625-1	14-7	20-17	635-8	35-4	15-11	645-8	22-2	48-2	49-0	51-7	52-3	
3	7-87	627-3	15-1	13-37	632-7	9-7	19-56	628-9	15-0	17-07	639-1	41-3	47-2	46-9	48-5	49-7	
4	10-20	636-3	12-2	12-69	627-3	14-2	20-70	633-5	3-8	16-14	647-9	15-7	46-0	46-1	47-5	50-8	
5	9-67	639-7	7-3	12-02	628-9	6-1	22-25	628-7	12-4	17-40	651-0	18-6	47-8	48-9	51-0	53-8	
6	10-34	641-8	7-1	14-32	628-8	10-1	21-72	637-9	-1-1	15-73	644-0	12-0	49-0	50-1	51-7	52-1	
7	16-54	632-6	2-9	12-89	632-4	-0-7	17-68	636-5	-1-0	14-32	647-4	8-5	49-5	49-2	51-4	53-9	
8	11-96	642-5	-14-4	14-79	621-1	3-2	19-09	635-9	-1-6	15-05	648-7	4-2	50-8	50-9	52-8	54-5	
10	8-80	640-6	-1-6	13-31	624-7	7-8	20-43	645-4	-4-6	14-59	649-3	17-2	46-9	47-1	51-3	54-8	
11	-0-89	584-6	-9-1	26-08	592-7	2-0	31-14	677-2	-14-8	22-86	626-8	46-8	47-5	47-6	49-9	52-1	
12	8-66	624-3	4-1	13-04	613-0	16-1	16-14	629-8	11-7	14-59	638-2	6-4	47-0	47-3	50-5	53-1	
13	9-88	629-4	8-6	14-24	621-6	7-3	20-23	640-3	-2-7	16-73	649-3	9-8	44-0	44-3	48-5	53-6	
14	8-19	639-7	6-8	11-63	630-7	7-6	14-65	650-5	-5-5	25-35	672-4	21-2	46-7	47-2	50-6	55-1	
15	8-54	629-1	11-0	14-99	617-5	-0-3	25-79	642-3	24-1	26-08	637-4	107-9	45-3	45-4	50-2	55-0	

* No Observations from 15th April to 6th September.

40 DAILY OBSERVATIONS OF MAGNETOMETERS DURING SEPTEMBER AND OCTOBER, 1854.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.					
Sept.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	6	6-25	637-4	23-5	13-37	637-5	14-4	16-67	658-3	15-0	.....	.....	.....	60-2	61-2	65-2	.....
	7	6-98	637-4	21-0	14-99	632-9	9-5	16-00	651-7	21-7	9-88	653-8	24-1	62-9	63-1	66-0	67-9
	8	7-39	641-9	21-9	13-92	642-1	11-3	14-24	661-5	11-9	9-00	655-8	21-8	62-0	61-1	62-2	64-3
	9	10-61	636-6	12-5	12-98	629-0	8-9	19-09	654-0	16-5	.....	.....	.....	53-7	54-0	58-7	.....
	11	7-87	654-8	-3-1	17-01	633-8	0-1	.....	.....	.....	.....	.....	.....	57-7	58-0	.....	.....
	12	5-97	632-9	30-1	10-67	619-5	34-9	14-38	639-8	19-8	13-31	646-9	29-8	57-5	57-9	62-7	63-6
	13	7-66	633-1	19-4	11-90	630-4	16-9	14-59	643-8	13-5	11-43	656-6	20-0	62-4	61-9	64-3	65-5
	14	7-66	636-6	2-7	13-65	628-6	13-3	15-67	647-5	15-4	16-67	646-3	15-2	60-0	60-1	63-0	64-9
	15	8-19	645-8	8-8	.....	.....	.....	18-07	646-1	11-5	13-25	655-2	25-7	57-8	.....	61-0	63-1
	16	7-12	637-0	21-8	12-57	635-2	15-7	13-92	647-3	20-9	9-67	645-3	24-8	59-3	61-7	66-0	67-0
	18	9-88	645-3	16-8	18-82	632-6	21-3	14-38	645-2	11-3	11-02	651-1	17-9	56-8	57-4	58-1	58-0
	19	6-17	645-4	19-8	11-69	641-0	17-5	15-11	647-6	13-3	10-40	643-0	21-2	54-5	54-9	57-5	58-2
	20	6-37	645-2	15-1	10-28	638-9	10-9	13-65	643-5	12-3	10-28	648-8	18-2	56-4	57-0	59-8	60-8
	21	3-94	646-6	7-5	10-28	636-4	9-8	15-38	652-0	9-9	12-63	643-2	3-3	53-3	53-7	55-8	54-5
	22	6-92	646-6	1-9	12-69	628-5	12-1	.....	.....	.....	.....	.....	.....	48-8	48-6	.....	.....
	23	9-00	639-3	12-2	13-25	636-2	10-4	14-79	652-9	10-3	10-40	646-9	22-0	53-2	54-6	56-3	57-0
	25	8-27	645-3	5-5	16-61	632-0	10-1	22-19	650-7	18-3	16-00	655-0	45-6	50-3	50-5	52-1	54-5
	26	.....	.....	.....	10-61	651-5	7-8	16-20	644-3	2-7	12-77	663-4	12-5	.....	55-3	57-7	61-0
	27	16-00	638-0	7-8	19-42	622-0	9-3	15-94	644-8	22-0	12-10	651-9	35-2	55-7	56-0	58-0	60-1
	28	9-73	625-7	12-9	11-96	632-2	14-4	16-40	652-5	17-5	13-77	648-7	21-7	53-2	52-3	54-8	58-1
	29	6-92	640-1	15-6	10-08	630-0	22-2	14-44	662-8	10-0	11-69	654-1	18-0	51-7	51-4	55-3	59-1
	30	7-25	645-0	16-6	13-25	624-6	13-0	13-65	645-7	9-4	10-48	649-2	18-7	56-1	56-5	58-3	60-1
Oct.	2	6-78	644-3	14-1	.....	.....	.....	15-19	647-3	13-7	10-55	646-1	17-1	55-7	.....	58-9	60-1
	3	6-64	642-2	12-9	10-81	636-4	12-8	.....	.....	.....	9-94	651-5	15-5	56-1	54-9	.....	55-4
	4	.....	.....	.....	8-47	642-1	14-5	.....	.....	.....	.....	.....	.....	.....	47-4	.....	.....
	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	11	5-58	646-2	18-4	6-92	635-1	19-8	11-63	636-2	11-1	9-61	646-9	22-0	54-5	54-3	55-6	56-5
	12	5-58	643-9	15-3	9-61	641-0	13-3	12-69	645-5	10-1	14-52	638-0	33-8	46-8	46-3	50-1	53-1
	13	10-08	645-4	-4-8	5-64	637-6	16-5	10-34	639-7	24-3	8-13	652-2	29-2	48-1	48-6	50-8	52-1
	14	5-43	647-6	25-5	9-27	638-2	27-4	11-90	645-1	21-3	8-19	647-8	24-9	53-0	54-2	55-4	56-6
	16	7-99	646-5	17-6	10-55	640-4	18-3	12-02	650-3	20-8	8-54	649-2	23-6	46-2	46-2	47-0	47-7
	17	6-11	651-4	14-4	11-29	637-8	20-3	13-25	650-7	14-8	8-27	652-4	16-7	44-3	44-0	45-5	47-0
	18	8-19	632-3	9-7	10-28	641-9	12-9	14-91	653-5	14-3	17-34	639-3	-15-1	44-3	43-9	43-6	43-5
	19	7-31	647-8	9-0	10-96	638-2	20-2	13-31	648-6	17-5	9-88	651-5	17-2	40-6	40-6	42-0	43-1
	20	7-19	648-0	13-4	10-20	640-6	8-5	12-57	650-3	14-2	8-66	646-5	22-8	46-3	46-4	48-7	50-2
	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	23	6-58	648-0	9-7	9-00	640-9	10-0	11-29	653-6	15-1	.....	.....	.....	44-5	44-4	45-1	.....
	24	5-91	655-7	0-3	10-28	643-3	25-2	15-32	635-6	15-6	19-36	642-5	13-0	40-5	42-8	43-9	46-6
	25	12-57	660-9	2-1	10-55	632-8	-31-4	13-04	639-7	24-2	10-55	647-5	35-9	40-4	40-2	43-0	45-4
	26	8-27	645-3	10-3	10-28	634-9	12-6	12-50	655-7	13-9	1-39	642-4	39-2	38-1	37-7	40-8	44-0
	27	7-25	653-3	6-8	9-21	644-4	19-3	14-65	648-4	17-0	10-40	648-1	27-1	38-3	39-0	42-7	45-5
	28	7-87	657-9	11-6	7-93	647-8	12-4	10-55	644-7	10-2	9-00	651-8	15-4	47-5	50-0	50-6	51-5
	30	7-25	659-0	5-4	9-47	649-5	4-7	12-36	653-5	13-9	9-47	658-9	10-6	47-3	46-7	49-1	51-4
	31	7-12	654-4	5-7	9-33	645-4	7-8	13-37	653-9	7-0	9-06	655-7	12-5	52-2	52-6	54-7	54-7

DAILY OBSERVATIONS OF MAGNETOMETERS DURING NOVEMBER AND DECEMBER, 1854. 41

Gottingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
			se. div.	mic. div		se. div.	mic. div		se. div.	mic. div		se. div.	mic. div	*	*	*	*
Nov.	1	7-25	653.1	-0.7	10-87	655.5	3.3							48.6	49.7		
	2	7-31	650.8	8.6	13-04	643.2	16.7	14-18	640.3	25.6				52.9	53.1	54.7	
	3	8-27	644.9	-2.6	11-90	644.3	11.0	13-57	638.4	19.4	7-39	645.5	21.7	47.2	46.5	47.6	48.6
	4	8-33	657.0	10.0	9-61	648.9	8.1	11-29	647.9	17.1	10-00	656.0	16.9	44.2	44.2	46.4	48.4
	6																
	7																
	8																
	9																
	10																
	11																
	13																
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	22																
	23																
	24																
	25																
	27																
	28																
	29																
	30																
Dec.	1	8-19	659.6	-1.2	8-94	654.5	-1.1	12-69	654.0	3.4	8-80	643.5	15.8	38.4	37.5	37.4	36.9
	2	17-68	632.5	-19.5	14-38	642.3	-3.5	8-19	640.3	37.6	-5.07	633.2	56.6	36.0	35.7	35.4	36.2
	4	7-60	656.1	-3.7	5-23	646.8	-1.4	10-08	643.2	2.6	8-80	645.1	6.8	42.6	42.0	42.5	43.7
	5	7-66	655.1	-10.1	9-00	652.0	-6.6	10-75	642.1	6.4	14-91	644.5	1.7	45.0	44.6	44.8	43.5
	6	8-27	656.7	-2.5	15-05	647.9	1.8	10-75	650.6	5.1	8-33	654.4	9.3	41.8	41.4	42.0	42.7
	7	7-51	654.4	-4.0	8-19	651.1	-6.3	11-08	653.8	-1.1	8-54	657.3	4.5	38.5	37.5	37.4	37.6
	8	7-60	661.4	-3.8	8-33	654.7	-10.0	11-35	655.8	0.0	9-00	656.6	5.9	42.0	44.2	46.2	46.7
	9	6-37	653.5	-9.8	8-13	648.2	-4.7	10-81	652.7	2.9	9-94	652.3	3.9	41.5	40.6	40.3	40.4
	11	8-66	647.0	-4.0	9-94	652.1	-3.6	10-34	654.1	-2.4	8-33	657.9	-0.7	35.1	36.9	38.5	40.7
	12	7-25	659.4	-7.3	12-63	653.5	-5.4	10-40	660.7	-3.3	8-47	663.3	-6.3	39.3	39.1	39.9	41.2
	13	7-51	656.8	-8.4	9-14	658.8	-5.7	11-23	665.8	-10.8	14-91	663.9	-4.3	41.0	40.7	42.5	44.3
	14				8-86	654.5	-8.1	6-64	649.7	-5.2	11-08	647.8	-0.6		42.7	43.2	44.0
	15	7-25	655.9	-4.9	8-19	654.6	-4.5	9-53	652.1	-6.9	7-66	655.3	-6.6	47.3	48.3	48.2	47.8
	16	6-98	657.9	-11.2	8-39	658.1	-11.8	13-37	658.7	-10.5	8-47	657.2	-8.3	42.4	41.0	40.7	40.6
	18	6-58	656.1	-10.2	10-55	651.1	-11.1	10-55	657.7	-3.9	9-53	658.5	-2.7	37.0	36.1	36.1	36.3
	19	7-80	651.9	-11.5	6-84	651.7	-8.3	11-90	655.0	-3.1	8-94	656.8	-2.1	34.0	33.3	33.5	34.0
	20	7-72	658.8	-8.6	9-67	655.3	-8.3	12-02	660.3	0.3	11-35	655.4	13.9	37.0	37.5	38.8	39.7
	21	9-53	656.7	-7.7	8-27	656.0	-3.0	10-28	650.3	-1.5	10-67	651.2	4.4	36.8	37.7	39.9	42.4
	22	15-32	657.3	-9.4	9-21	652.2	-9.1	9-61	656.2	-10.8	8-94	658.6	-5.8	47.7	48.8	49.5	50.5
	23	8-19	649.8		11-02	649.9	-10.3	11-43	657.8	-6.5	13-10	657.1	-3.7	42.7	41.9	41.9	42.3
	25	8-86	659.1	-9.7	10-48	659.1	-7.8							42.5	42.2		
	26	8-13	656.4	-8.4										37.3			
	27	8-13	656.9	-14.2	9-41	651.6	-11.1	11-35	643.4	-2.3	9-06	661.6	-13.5	35.3	34.6	35.5	36.0
	28	8-07	658.5	-13.7	9-94	647.0	-9.8	17-48	659.6	-1.7	12-77	653.5	3.1	31.9	31.0	31.6	32.8
	29	8-74	657.7	-9.6	11-23	645.1	-2.8	13-77	651.6	-7.5	11-43	651.4	28.1	35.1	36.7	39.4	42.2
	30	8-94	651.1	-5.9	9-33	644.4	3.6	12-77	654.7	3.0	9-61	654.4	1.8	44.3	44.1	45.1	44.5

42 DAILY OBSERVATIONS OF MAGNETOMETERS DURING JANUARY AND FEBRUARY, 1855.

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Jan.	1	8-54	654-7	-3-6	9-00	651-3	-2-0	10-55	655-2	-0-5	8-66	653-9	-0-4	47-3	46-7	45-9	45-0
	2	10-34	664-7	-12-8	10-61	649-1	-4-8	13-31	655-9	-1-6	10-67	650-9	11-0	42-1	42-2	42-2	42-6
	3	7-87	655-2	-5-3	10-14	656-8	-5-5	11-23	662-3	-7-0	4-70	640-7	5-8	44-3	44-5	45-9	46-9
	4	7-80	655-3	-2-6	8-66	651-0	-1-8	11-29	656-2	-3-0	8-27	655-7	-3-7	45-2	45-7	45-5	45-8
	5	9-61	648-8	-7-3	11-55	654-0	-8-3	12-63	657-0	-5-4	13-57	655-2	9-1	46-1	46-3	47-0	47-2
	6	8-94	661-5	-8-7	9-61	644-1	1-7	10-67	655-0	-6-1	8-86	653-3	4-4	45-9	45-9	46-2	46-5
	8	8-94	656-0	-4-4	9-47	646-8	4-4	11-55	654-1	-4-0	6-45	657-0	-1-7	46-6	46-8	46-5	46-5
	9	7-93	656-8	-9-7	8-74	633-1	0-2	14-24	655-1	-3-4	9-00	660-6	-3-0	45-7	44-6	44-2	44-5
	10	8-19	654-6	-9-3	9-41	647-1	0-1	13-98	655-8	-5-1	11-29	659-8	2-4	36-2	35-3	34-7	35-4
	11	8-80	659-3	-4-2	8-60	652-9	-2-9	12-30	654-3	-3-7	9-81	656-4	0-8	37-3	37-8	40-6	42-5
	12	7-99	658-0	-23-4	9-53	643-6	-7-4	14-71	659-6	-2-2	9-14	655-2	4-8	38-3	38-3	38-7	39-7
	13	8-07	655-0	-5-9	10-00	651-9	-3-0	15-26	660-5	-0-3	8-80	662-2	2-7	38-6	37-9	37-7	38-6
	15	7-99	646-9	-9-0	8-94	649-5	0-0	15-67	654-9	-3-7	10-34	658-3	2-5	35-5	34-9	34-7	35-2
	16	7-72	654-2	-4-5	8-07	646-7	-0-1	12-57	654-0	-2-3	8-39	659-7	-2-3	36-6	36-8	37-1	37-8
	17	6-92	656-4	-4-5	8-66	651-3	1-7	12-89	663-5	1-1	11-02	658-6	2-9	36-4	35-8	36-0	36-5
	18	6-72	645-5	-7-7	8-66	649-3	-0-2	12-77	655-3	4-8	8-60	658-8	4-1	32-2	31-7	32-1	33-1
	19	7-31	659-4	-5-6	8-60	651-2	-0-4	13-25	658-5	-4-4	8-74	660-5	2-2	35-4	35-5	37-1	38-4
	20	6-72	659-5	-9-8	9-00	653-4	-10-9	11-90	659-1	-5-9	16-34	658-0	-3-5	37-4	37-1	36-7	36-4
	22	8-27	650-8	-16-3	7-51	637-1	-10-2	15-26	654-8	4-6	13-25	646-7	19-7	34-5	34-6	35-2	35-7
	23	7-93	660-6	-16-2	11-63	641-9	-10-2	14-44	657-2	-2-8	10-00	656-4	2-0	32-9	32-3	32-6	33-6
	24	8-07	662-5	-4-9	7-31	649-4	-2-8	11-55	652-1	-6-3	9-67	640-9	-1-3	33-3	33-2	33-9	34-9
	25	13-37	646-4	-14-5	10-61	646-0	-2-5	.....	.....	.....	.....	.....	.....	34-2	34-5	.....	.....
	26	8-13	659-0	-7-7	8-33	646-8	-3-4	7-93	641-2	5-3	9-14	658-9	3-1	33-4	33-2	33-5	34-4
	27	8-19	658-4	-8-2	11-55	648-0	-6-1	13-25	639-3	0-6	13-25	656-5	9-0	30-2	33-4	34-5	35-6
Feb.	29	6-05	657-7	-19-6	9-88	642-6	-3-6	11-90	652-1	-3-0	10-55	658-9	8-1	29-0	29-3	30-1	32-0
	30	7-87	655-6	-14-4	10-00	641-7	-4-8	14-12	642-2	0-1	9-33	660-8	-2-3	26-8	25-7	26-2	27-6
	31	10-61	668-3	-22-5	16-61	658-0	-14-8	16-93	650-1	-4-3	12-16	657-7	17-9	27-1	27-7	28-0	28-5
	1	8-86	657-3	-13-4	8-39	653-2	-10-3	.....	.....	.....	8-94	649-3	5-8	28-7	29-1	.....	32-5
	2	9-61	667-9	-18-6	7-31	648-4	-14-8	11-35	656-2	-6-4	8-60	659-9	-3-2	28-6	28-0	26-5	30-9
	3	7-39	665-4	-12-4	7-72	654-3	-17-3	11-63	657-0	-10-8	9-14	658-6	2-5	33-2	33-1	35-2	35-5
	5	6-92	652-5	-8-5	6-98	654-5	-10-2	9-27	617-9	-7-7	7-45	658-5	-0-3	36-6	35-5	36-5	36-5
	6	7-31	661-2	-8-6	6-11	646-8	-6-4	10-20	655-9	-2-9	8-27	657-5	0-6	35-0	35-2	36-1	37-0
	7	6-52	662-0	-10-4	6-45	657-7	-10-1	8-94	658-5	-6-6	14-59	651-0	-4-8	35-1	35-0	36-1	36-9
	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	9	8-07	652-7	-9-6	10-28	642-8	-3-7	13-65	653-8	-92-4	8-94	641-1	44-7	29-5	29-9	31-0	31-5
	10	8-60	650-6	-2-4	14-99	656-5	-1-7	10-67	653-6	-0-1	10-00	660-8	10-0	29-6	29-8	31-7	33-7
	12	7-31	656-8	-17-2	8-94	647-1	-9-0	14-65	660-0	-4-3	10-28	665-3	12-3	30-7	31-0	31-4	34-3
	13	9-61	657-6	-14-0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	14	5-49	658-6	-16-0	6-92	649-0	-5-3	14-85	655-9	-3-6	10-61	655-3	1-2	28-4	28-7	31-1	31-7
	15	5-29	650-2	-6-7	4-08	644-9	-9-9	12-16	650-6	-3-8	7-72	656-7	2-3	25-0	22-9	23-0	26-4
	16	5-91	653-2	-3-7	6-37	645-4	6-6	9-94	651-9	-5-7	9-53	652-0	2-4	18-2	16-8	17-8	20-8
	17	5-64	653-8	4-3	6-84	641-8	-7-1	11-96	640-5	-13-6	11-23	655-1	-9-6	14-6	13-0	13-0	18-6
	19	11-90	650-2	-30-2	8-27	644-4	-19-7	12-98	642-3	1-1	9-81	653-8	3-6	25-3	23-8	26-5	29-8
	20	8-19	651-9	-13-8	11-90	633-6	-9-1	11-96	649-2	0-9	10-08	661-0	2-1	28-2	27-6	30-1	32-3
	21	8-86	651-8	-26-2	12-63	635-1	-10-2	14-44	647-3	0-3	10-34	654-9	4-9	26-0	25-6	27-2	30-7
	22	12-57	641-2	-23-0	11-96	641-7	-9-7	.....	.....	.....	9-94	651-4	-0-7	27-1	26-6	.....	32-5
	23	6-17	648-7	-23-7	7-99	645-9	-5-9	13-57	641-2	-9-8	11-29	655-7	0-8	25-4	25-9	27-7	32-0
	24	8-33	652-7	-16-7	11-69	645-4	-8-5	12-98	651-9	-6-1	7-87	648-5	0-4	27-7	28-2	31-7	34-0
	26	6-45	650-4	-10-6	9-88	642-7	-7-6	10-40	651-8	-6-2	14-59	650-2	-2-0	33-6	33-9	36-0	38-3
	27	7-31	649-5	-8-7	13-65	646-8	-8-0	16-34	649-8	2-2	8-86	651-7	3-7	33-4	33-2	35-1	37-5
	28	19-70	657-8	-29-0	10-61	629-3	-10-1	7-99	652-8	4-1	10-96	641-0	67-4	36-4	36-1	38-9	40-6

Göttingen Mean Time.	Civil Day.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		se. div.	mic. div.		*	*	*	*
Mar.	1	7-19	640-2	-3-0	15-58	638-7	0-3	14-18	633-3	1-2	7-25	650-1	12-8	38-7	39-7	41-6	42-4
	2	9-67	646-2	-8-0	6-92	631-2	-10-8	12-98	647-5	1-0	6-72	647-8	17-8	39-8	40-4	43-0	45-4
	3	4-82	655-6	-7-9	7-99	635-3	-5-1	12-57	648-4	-3-2	7-39	654-0	4-1	40-5	39-7	40-5	41-3
	5	5-91	653-9	-9-8	9-06	646-5	-1-1	13-77	651-3	-3-7	9-27	653-9	3-1	39-8	40-7	41-2	43-2
	6	4-76	648-4	-3-3	8-54	638-6	5-6	12-02	653-7	-1-1	8-27	657-5	10-2	37-9	37-6	40-9	45-5
	7	4-90	655-5	-6-6	8-27	633-2	-3-9	12-22	652-6	1-5	8-27	658-5	14-1	38-1	37-5	38-1	41-3
	8	5-02	571-7	-1-0	6-52	633-1	-0-8	13-04	647-1	1-4	.....	.....	.....	37-7	37-7	40-0	.....
	9	1-53	656-2	-10-7	5-91	638-9	-9-4	14-71	642-8	-2-1	23-34	666-2	33-0	37-1	35-9	37-0	38-5
	10	5-64	646-0	-12-0	9-00	633-3	-3-8	17-80	643-8	-4-9	10-28	653-6	10-2	35-1	34-7	34-6	34-7
	12	3-82	655-7	-6-0	11-49	645-3	-22-2	22-51	657-8	-17-6	.....	.....	.....	33-2	34-7	39-1	.....
	13	1-73	638-8	-10-7	6-17	634-5	12-1	12-36	645-8	9-0	11-75	657-5	28-6	39-4	38-9	39-1	39-5
	14	7-60	647-0	-14-1	11-83	636-7	2-6	12-42	652-4	0-5	7-04	651-5	17-9	36-8	37-2	40-8	41-9
	15	5-85	644-5	-0-5	10-40	638-4	-6-8	16-40	644-2	10-3	12-36	649-8	19-1	35-8	35-2	36-5	37-6
	16	4-96	654-3	-3-7	14-99	632-2	-2-2	.....	.....	.....	.....	.....	.....	36-1	36-7	.....	.....
	17	5-85	648-8	-4-6	7-66	640-5	-1-4	9-14	645-8	-0-7	14-32	670-8	-1-1	37-5	37-5	39-4	41-1
	19	13-04	644-2	-10-4	12-83	635-1	-9-5	16-61	642-4	5-7	10-96	656-6	15-8	38-7	39-0	41-3	42-9
	20	10-08	641-9	-12-0	8-94	624-9	-11-5	16-46	645-5	-3-0	12-63	649-5	21-0	38-2	37-9	38-0	38-4
	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	22	6-31	651-7	-3-4	10-61	640-4	-9-9	15-94	643-4	-11-3	11-63	660-6	0-7	36-3	37-0	38-5	38-7
	23	6-84	654-2	-7-5	7-99	643-5	-6-7	16-40	649-8	-9-2	12-36	657-0	1-4	34-3	34-7	36-0	37-1
	24	6-25	650-7	-12-2	12-98	643-3	-11-0	19-70	656-5	-18-1	14-04	663-4	7-6	32-7	32-6	36-1	38-7
	26	5-29	649-3	-7-1	6-98	639-6	15-2	16-34	644-3	-11-6	6-98	645-8	16-8	36-1	39-2	39-7	42-9
	27	6-17	646-6	-1-2	8-54	638-5	-7-5	15-11	647-3	-5-3	10-28	659-6	-3-0	39-1	39-0	40-6	41-4
	28	6-98	649-5	-7-5	11-69	633-1	-13-2	13-77	649-5	-21-1	8-27	650-1	14-3	37-8	38-4	39-6	41-4
	29	3-94	645-9	-6-6	9-21	633-9	-11-4	15-58	647-7	-18-5	9-88	656-7	-9-1	35-5	35-5	39-4	43-2
	30	4-62	651-3	-11-8	9-41	638-8	-12-7	17-34	642-6	-14-0	12-16	652-9	6-8	38-1	38-1	40-3	42-0
	31	8-07	653-2	-18-4	9-27	637-8	-11-6	14-44	645-3	-27-1	16-67	654-1	-19-6	38-2	39-1	42-6	45-1
April	2	3-67	651-5	-12-6	7-12	636-2	-20-6	15-05	649-1	-26-6	10-00	659-8	-8-9	37-5	36-9	40-3	43-7
	3	4-14	656-1	-24-1	8-74	642-6	-25-7	18-68	652-0	-27-4	14-99	669-6	-13-7	38-5	39-1	40-3	42-0
	4	8-47	631-1	-35-7	10-00	643-3	-33-5	16-46	656-6	-27-4	20-17	660-0	-7-7	36-6	36-0	40-0	45-4
	5	7-72	639-9	-27-5	13-92	619-6	-3-5	17-40	644-5	3-1	14-71	663-7	20-0	41-3	42-4	47-0	51-2
	6	6-78	642-1	-8-5	11-75	625-3	-4-2	14-71	649-8	4-9	11-75	646-1	29-1	48-3	49-1	53-7	55-1
	7	4-96	643-9	-9-5	9-06	635-7	-7-8	15-05	646-1	-10-8	11-08	656-0	6-9	50-1	49-8	50-5	51-3
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	19	4-14	650-2	-3-8	9-61	635-4	0-5	15-38	656-1	-5-2	12-50	654-2	14-3	49-1	50-3	53-9	56-2
	20	5-10	646-8	-3-8	8-13	638-1	-4-1	14-71	646-4	-7-6	10-28	658-9	0-4	47-6	47-9	49-6	50-6
	21	.....	.....	.....	6-25	637-0	-9-4	14-99	645-0	-13-7	11-75	658-7	-2-6	.....	42-3	44-0	47-6
	23	3-67	651-1	-4-7	8-74	637-2	1-0	13-77	649-8	-14-5	12-10	655-7	-6-8	44-8	45-7	51-3	56-9
	24	3-47	642-9	-7-0	8-66	638-7	-9-5	14-04	650-1	-12-9	10-28	653-9	-6-3	48-0	48-3	53-5	55-7
	25	6-17	648-3	-6-7	10-14	643-8	-14-8	15-73	648-3	-12-8	11-16	667-1	45-2	50-5	50-4	50-9	51-4
	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	27	3-55	648-7	-5-1	8-60	639-8	-11-5	14-71	654-4	-24-0	7-87	659-8	46-0	43-3	44-2	50-6	54-3
	28	2-12	647-8	-0-2	6-25	634-5	-7-4	14-24	647-5	-7-5	10-24	659-5	-4-1	48-8	49-1	50-5	52-3
	30	3-15	641-5	-2-7	8-94	639-1	-1-2	15-32	662-4	-8-9	12-69	654-7	8-0	44-6	46-8	50-5	51-5

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
May	1	7.51	643.6	5.7	12.02	644.2	-17.4	13.25	656.0	1.6	10.55	660.0	4.3	46.0	45.7	46.3	47.0
	2	4.76	645.8	-13.9	11.23	634.5	-7.8	15.38	655.1	-11.1	11.29	657.8	10.6	43.7	45.4	49.8	54.0
	3	4.23	634.7	-13.4	8.13	628.8	-12.5	14.38	649.2	0.4	9.00	653.5	9.8	48.2	46.9	46.8	46.9
	4	5.58	646.1	-18.8	6.11	633.4	-16.0	12.36	639.7	-12.7	11.02	659.3	1.8	39.3	38.8	40.7	42.3
	5	1.53	647.3	-2.9	4.29	636.6	-6.8	13.37	660.5	-15.7	12.16	671.1	6.4	37.6	40.1	42.8	44.4
	7	0.19	644.2	-10.9	4.90	643.9	-13.0	8.74	648.1	15.8	5.85	661.1	-4.8	43.9	43.9	44.6	44.9
	8	0.98	645.3	-11.8	6.98	641.6	29.2	14.24	655.1	39.2	13.31	679.5	32.8	40.8	42.0	44.3	45.7
	9	2.06	646.2	-3.2	10.14	634.6	-5.4	.....	.....	.....	7.99	655.6	13.4	40.4	42.5	.....	42.9
	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	11	0.58	645.5	-13.7	11.69	631.6	-17.2	12.10	648.7	-10.8	8.33	661.1	2.4	41.1	41.6	42.3	43.1
	12	1.19	593.6	-7.7	7.25	640.3	-13.6	13.45	658.5	-16.0	9.21	663.5	-5.0	40.6	41.4	44.5	45.7
	14	1.13	643.0	-1.2	6.92	633.0	-4.1	11.23	666.7	6.6	5.85	666.6	10.1	42.9	43.8	45.8	47.8
	15	3.15	648.6	-11.9	6.11	637.4	-11.7	11.63	640.7	-9.2	-4.72	693.6	19.6	43.7	44.2	45.6	46.5
	16	0.52	645.2	-10.2	4.62	631.2	-11.6	17.34	666.5	-11.0	5.23	664.4	-9.7	44.1	44.9	46.9	49.7
	17	6.37	642.0	-3.3	8.19	628.3	-4.0	12.10	660.5	-5.4	7.04	671.0	9.1	47.3	47.2	49.6	52.8
	18	2.39	651.4	-13.1	7.93	635.1	-9.3	9.33	641.1	-3.3	9.81	661.7	1.0	47.5	48.1	52.1	55.2
	19	0.52	645.6	40.4	6.92	631.6	-13.2	10.34	651.2	-13.0	6.92	666.1	0.3	51.5	53.5	56.8	59.9
	21	2.88	646.8	-6.7	5.23	638.9	11.9	12.98	657.3	-18.0	7.51	659.8	-6.1	51.6	54.7	52.6	53.1
	22	-0.09	648.8	-6.4	6.52	635.5	-12.9	.....	.....	.....	.....	.....	.....	47.8	48.0	.....	.....
	23	3.21	648.9	-8.0	9.21	638.6	-20.8	9.88	647.2	-9.6	6.45	658.6	-5.1	49.2	49.0	53.2	55.4
	24	1.86	650.7	-4.0	8.94	640.9	-15.8	10.96	646.6	-10.2	6.25	655.0	-5.9	53.5	54.4	56.8	57.6
	25	-1.83	654.2	-13.6	3.27	637.9	-23.3	11.35	648.6	-5.7	7.31	656.0	-2.4	56.6	59.1	63.6	65.1
	26	0.92	650.4	-3.2	6.92	634.8	-61.4	11.23	645.7	-7.1	8.19	667.3	-7.4	58.2	58.7	62.9	65.4
June	28	17.34	608.5	-52.2	9.33	632.4	-25.4	11.75	654.3	-8.0	8.47	659.8	14.6	51.6	51.5	52.7	54.0
	29	1.33	636.1	-19.1	6.78	634.8	-9.9	8.66	653.5	12.3	7.19	658.3	3.2	47.5	47.7	48.9	49.3
	30	0.78	640.4	-7.0	4.56	631.9	-3.6	10.61	646.9	-6.8	7.72	667.6	-6.8	46.3	47.3	48.0	50.1
	31	3.82	639.5	-3.1	3.08	640.5	0.2	12.57	648.6	-1.6	8.54	661.8	5.7	45.4	45.8	47.8	50.0
	1	3.41	642.0	-1.0	6.92	645.0	-10.2	11.08	662.7	-3.6	16.54	660.3	-0.5	45.9	45.9	46.2	46.2
	2	2.58	655.8	-9.1	7.99	646.8	-6.9	11.49	661.0	-14.6	14.91	659.4	-3.2	46.1	47.4	49.0	50.5
	4	0.58	653.5	-6.8	7.31	634.0	-9.5	13.92	658.5	-10.8	9.67	664.0	4.9	45.4	56.0	57.8	60.6
	5	1.06	647.5	-9.2	5.64	642.1	-14.5	6.78	650.4	-6.0	7.87	656.0	2.1	56.7	56.8	59.1	61.5
	6	0.66	651.2	2.0	5.17	644.6	-8.8	5.02	651.3	-7.7	17.01	684.8	-7.4	59.7	61.0	63.2	64.3
	7	4.14	653.1	-9.2	13.57	632.5	-3.4	12.98	636.2	-0.2	8.60	667.2	18.5	59.8	60.4	61.9	64.1
	8	1.53	648.3	-1.9	7.51	636.7	-3.3	10.28	634.9	5.8	8.07	645.6	13.8	56.9	57.9	60.6	61.2
	9	2.52	644.1	-8.1	6.31	644.2	-5.0	8.54	656.2	-4.9	6.52	662.1	14.0	57.1	58.2	59.2	61.0
	11	-0.48	637.3	-19.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	57.7	.....	.....	.....
	12	1.19	643.1	-1.8	6.11	644.8	-5.6	12.63	648.7	0.9	8.86	654.5	7.4	58.5	59.6	62.5	65.3
	13	0.52	650.7	-13.0	6.25	635.9	-6.6	12.57	657.4	1.1	9.73	665.0	15.9	58.9	60.4	64.3	66.8
	14	2.06	645.8	-2.9	7.60	633.5	1.8	9.47	653.9	1.7	7.93	655.7	7.6	59.8	58.8	58.3	59.7
	15	-1.24	641.6	-0.6	5.78	642.6	-9.0	10.67	657.5	-10.3	14.79	661.6	-2.3	55.1	55.0	56.3	57.5
	16	1.13	643.7	2.8	3.94	642.0	-22.9	12.02	660.0	-13.1	6.25	661.6	6.3	53.9	53.3	53.0	53.2
	18	0.31	648.6	-1.5	.....	.....	.....	10.20	656.5	-14.4	9.27	659.8	-1.1	50.3	.....	52.1	53.9
	19	0.86	643.2	-6.1	7.25	645.4	-14.3	.....	.....	.....	.....	.....	.....	47.7	47.7	.....	.....
	20	0.86	647.4	-1.7	3.41	642.1	-14.5	.....	.....	.....	7.39	665.5	-6.4	50.9	53.5	.....	61.6
	21	2.06	646.3	5.7	2.52	642.1	-13.5	10.55	653.1	-8.2	10.61	663.0	-6.0	59.6	62.3	65.7	68.4
	22	1.45	645.0	0.0	4.62	637.8	-9.1	11.69	656.7	-9.9	15.58	672.6	-7.9	66.0	65.7	67.2	67.4
	23	11.75	628.6	-18.8	7.25	627.7	-2.3	11.29	645.1	12.3	8.39	659.5	9.6	64.2	63.0	63.9	65.4
	25	-0.82	640.2	5.6	5.49	635.6	1.2	11.43	645.9	2.6	8.86	655.3	8.1	57.6	58.0	60.1	61.3
	26	0.52	635.7	8.3	5.64	633.0	-2.6	9.00	646.9	-8.9	5.97	660.5	7.2	60.5	60.9	62.9	64.7
	27	7.93	635.9	-1.3	5.91	646.6	-12.7	8.86	653.2	-10.8	5.97	658.0	-1.3	63.3	64.4	66.9	68.4
	28	0.66	635.7	-9.9	8.33	640.2	-3.7	12.16	659.7	-7.0	8.60	660.1	20.4	61.7	61.8	67.1	72.0
	29	0.78	640.7	9.9	7.93	642.0	7.6	14.91	662.5	23.4	.....	.....	.....	67.7	68.1	69.8	.....
	30	13.77	597.6	13.4	6.11	641.3	8.8	13.25	650.5	17.1	10.00	659.3	27.8	63.3	64.8	66.4	67.4

DAILY OBSERVATIONS OF MAGNETOMETERS DURING JULY AND SEPTEMBER, 1855.* 45

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.		Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
July	2	0-92	643-7	16-9	7-60	631-5	21-0	13-77	647-5	7-8	9-41	663-1	17-2	62-1	63-8	66-2	67-3
	3	3-82	643-8	17-4	1-33	635-2	3-1	8-94	635-6	10-9	7-60	653-6	24-7	62-4	62-5	64-8	64-9
	4	2-88	641-0	20-0	5-49	635-3	21-9	9-53	630-0	22-1	9-53	671-2	18-6	62-5	62-5	64-5	66-5
	5	11-49	624-4	-4-5	6-11	630-9	4-3	14-04	652-7	28-5	8-60	653-5	35-1	59-8	59-6	59-5	61-5
	6	-0-36	636-7	22-5	6-17	638-2	22-5	12-89	643-7	12-2	7-93	656-2	25-8	57-5	58-2	62-1	66-5
	7	-1-44	646-7	19-9	3-41	637-6	24-2	9-00	650-8	17-5	7-87	659-7	22-7	61-7	62-9	67-0	69-9
	9	0-52	642-1	24-4	4-62	630-9	22-8	.....	.....	.....	.....	.....	.....	63-4	64-5	.....	.....
	10	0-58	636-0	16-7	4-90	637-4	15-7	12-98	651-5	11-6	8-60	668-3	16-8	62-6	61-9	62-6	62-2
	11	0-86	644-3	17-3	4-50	631-7	26-1	9-21	654-7	20-3	4-82	660-4	33-4	59-5	60-8	63-0	66-0
	12	0-19	648-4	15-4	4-70	633-4	18-5	10-61	651-5	13-0	6-84	663-6	27-9	62-2	63-9	67-1	70-6
	13	0-05	647-4	24-6	4-50	637-2	18-9	11-43	647-5	23-6	5-29	657-3	31-9	64-3	65-6	69-4	71-3
	14	5-91	641-4	20-1	3-08	633-6	19-0	9-61	645-7	21-6	7-66	659-6	23-4	66-5	65-7	66-5	68-7
	16	-1-77	642-1	15-4	2-94	636-0	12-7	10-75	653-0	18-2	4-76	660-5	23-6	64-0	63-6	64-2	64-9
	17	-0-82	641-7	20-6	.....	.....	.....	9-21	654-1	17-2	5-64	654-5	25-0	60-4	.....	61-1	62-1
	18	-0-76	651-2	19-2	3-35	640-6	22-0	8-39	653-9	15-9	5-78	661-8	23-0	60-9	61-7	64-8	66-8
	19	3-85	657-8	17-7	5-23	642-5	11-0	.....	.....	.....	.....	.....	.....	62-1	62-0	.....	.....
	20	6-78	619-7	27-9	6-98	623-8	31-1	10-28	656-3	78-8	14-71	657-1	41-8	60-4	61-5	62-9	63-9
	21	-1-44	637-3	28-7	3-08	629-7	28-9	11-43	636-8	25-2	6-92	656-7	43-0	61-1	61-3	65-0	68-1
Sept.	23	4-23	616-2	25-3	5-58	639-3	17-6	8-66	656-8	21-8	5-64	646-7	27-4	68-3	68-5	72-6	73-8
	24	0-31	631-3	28-8	5-58	636-1	26-0	8-66	649-9	24-2	2-88	651-3	24-9	67-4	66-5	67-6	67-7
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Sept.	10
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	17
	18
	19	1-33	647-0	1-8	4-70	639-1	1-0	7-31	656-8	-7-3	3-55	664-3	5-4	54-3	55-0	57-9	60-7
	20	4-02	649-4	-4-7	2-88	642-2	1-7	3-94	646-5	-5-3	4-14	660-9	4-7	58-8	60-3	62-1	64-5
	21	-0-76	645-4	1-6	4-82	646-7	-3-0	12-57	650-8	-1-8	5-58	645-3	23-2	60-0	61-2	63-4	66-5
	22	0-78	648-7	2-5	6-25	644-6	2-5	8-13	648-8	-3-1	3-67	644-8	10-8	62-3	63-0	65-0	63-7
	24	-1-50	647-8	0-8	3-61	641-3	-0-2	9-94	650-4	2-3	.....	.....	.....	53-2	53-3	55-6	.....
	25	-0-56	649-4	-9-7	7-66	639-6	-9-8	10-34	661-8	-3-7	3-15	651-2	25-4	49-0	48-6	51-7	55-0
	26	-0-62	651-9	2-2	4-23	644-9	-3-4	6-58	656-7	1-2	4-08	662-1	2-6	50-5	50-9	52-5	54-8
	27	-0-09	650-5	-1-5	3-47	641-9	7-0	7-45	653-4	-1-7	.....	.....	.....	53-6	54-2	55-7	.....
	28	13-04	644-0	-9-9	11-90	631-3	1-1	.....	.....	.....	1-53	654-9	30-4	51-3	52-1	.....	55-1
	29	2-94	644-0	-10-9	3-88	640-3	2-0	7-99	649-9	5-1	4-08	656-3	15-5	55-0	55-1	57-9	61-9

* No Observations during August.

M

Göttingen Mean Time.		8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
Civil Day.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.	
		se. div.	mie. div		se. div.	mie. div		se. div.	mie. div		se. div.	mie. div					
Oct. 1	1.06	652.6	9.0	2.88	643.2	4.7	8.66	647.4	8.4	-0.01	650.7	17.3	58.0	57.9	58.2	59.0	
2	1.86	650.0	2.8	4.29	647.5	3.1	5.37	656.4	4.7	.....	.....	.....	54.1	54.0	54.3	.....
3	3.00	661.2	-8.7	6.84	649.3	-4.5	11.69	641.1	16.9	.....	.....	.....	53.6	53.5	54.5	.....
4	-1.44	646.2	12.4	2.12	641.2	4.5	8.66	644.3	5.2	.....	653.4	10.8	53.6	55.0	57.1	58.5
5	6.11	644.8	-12.4	3.55	637.7	8.4	8.07	646.0	4.0	2.52	649.9	13.7	55.0	54.8	55.4	56.7	
6	-0.09	650.7	6.5	1.80	639.0	14.2	7.39	644.3	11.9	2.12	654.2	6.1	50.6	51.3	53.9	55.1	
8	-0.28	651.0	9.1	3.61	636.5	3.3	6.78	650.3	2.5	2.80	655.8	4.2	48.8	48.2	50.5	53.7	
9	0.46	660.2	2.8	2.19	646.6	2.1	10.48	648.1	2.0	6.78	661.8	-1.1	52.3	52.3	52.7	52.5	
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	0.39	637.9	-6.5	5.58	643.4	0.6	11.08	664.6	-1.2	2.88	661.7	4.4	48.5	48.9	49.6	49.8	
12	3.61	647.3	-2.8	2.12	646.1	5.5	8.54	660.5	1.8	2.80	659.9	11.5	46.7	47.0	49.7	51.4	
13	0.72	649.8	-3.9	3.41	645.0	0.7	7.72	651.7	-3.7	2.12	659.9	10.6	45.8	46.2	47.5	48.8	
15	-0.01	644.0	-2.6	3.47	644.5	-2.5	7.45	654.6	-0.6	2.12	661.5	2.9	42.0	41.2	43.7	47.4	
16	0.86	653.4	2.2	2.19	645.3	0.7	.....	.....	.....	.....	.....	.....	42.2	43.3	.....	.....
17	0.05	652.5	-0.4	2.52	640.7	-0.6	7.99	651.0	-3.0	3.08	657.7	5.3	41.3	40.7	43.6	46.9	
18	0.46	665.6	-3.3	1.86	650.6	-0.5	9.21	648.9	-4.2	9.47	644.9	62.5	46.3	47.1	50.1	52.5	
19	3.15	638.7	-0.3	0.58	638.1	13.1	6.98	647.5	11.1	3.75	651.4	13.8	48.2	48.5	50.4	51.5	
20	5.37	650.1	-15.9	16.73	640.1	-6.4	8.74	641.0	16.7	2.31	662.6	16.4	49.6	49.1	52.0	53.2	
22	0.05	653.3	1.9	3.27	640.3	5.7	9.53	651.0	8.9	1.80	653.8	8.5	52.6	52.6	53.9	54.6	
23	13.92	656.8	0.0	1.86	647.4	3.8	6.58	654.3	-3.9	4.23	654.0	8.2	54.3	55.1	54.5	54.8	
24	4.14	654.3	-8.0	0.92	645.1	5.0	6.58	647.8	3.0	2.31	656.9	10.0	45.6	44.5	45.4	46.3	
25	0.66	655.1	4.2	2.46	640.9	8.5	8.47	656.6	9.0	3.47	657.9	4.8	42.1	43.7	46.5	47.9	
26	0.11	659.3	-1.0	2.25	646.5	-1.7	7.12	654.3	1.4	1.92	659.1	-0.7	49.8	49.2	50.4	50.2	
27	-0.62	656.7	-1.0	2.72	645.9	-6.0	4.82	657.0	-1.6	.....	.....	.....	40.9	39.7	41.3	.....
29	-0.15	660.1	-5.1	3.94	643.5	-5.2	8.39	655.0	-7.4	6.05	656.1	2.6	34.4	34.4	35.4	37.9	
30	5.37	661.6	-3.0	2.88	647.0	-2.5	7.39	656.5	-14.7	3.88	661.6	1.0	42.6	42.8	41.7	43.5	
31	0.52	661.8	3.8	2.58	653.6	0.0	6.25	656.7	-4.7	1.80	654.4	5.8	45.0	44.1	44.5	44.6	
Nov. 1	0.05	658.9	-7.3	2.72	650.9	-10.8	7.51	652.9	-1.3	4.90	657.5	0.6	39.3	38.5	40.0	40.8	
2	0.31	660.1	-2.5	1.86	652.1	-5.4	7.72	661.6	-8.3	8.54	654.1	7.6	39.3	39.8	42.1	43.6	
3	-0.42	657.7	-1.6	2.12	648.5	-4.2	5.49	647.1	-5.2	.....	.....	.....	44.0	44.4	45.8	.....
5	0.19	657.0	-7.5	2.25	646.7	1.0	5.23	661.5	-2.3	1.45	665.9	-7.9	39.2	40.2	41.5	42.9	
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	0.25	658.3	-6.9	2.06	653.1	-8.7	3.00	653.3	-12.1	7.99	643.8	9.1	43.5	43.3	43.2	44.5	
8	-0.15	655.1	-7.5	2.46	651.0	-15.3	6.78	654.9	-3.3	4.62	663.6	6.2	44.7	44.3	45.0	46.1	
9	-0.48	656.3	-3.7	2.80	644.5	-6.4	7.25	653.1	3.2	-4.13	648.2	28.6	39.9	38.5	40.4	41.5	
10	1.39	657.4	-9.8	1.86	651.7	0.8	5.64	653.0	10.2	3.15	662.7	4.4	39.7	39.6	42.1	45.5	
12	1.53	657.6	-1.6	2.12	649.3	-4.4	4.29	658.2	1.3	2.12	661.1	2.7	50.2	50.2	50.7	51.1	
13	-0.09	659.8	-10.6	.....	.....	.....	4.76	652.4	-11.0	1.53	659.8	-0.5	48.9	.....	48.1	48.1
14	0.52	659.3	-0.7	2.39	647.8	-6.8	5.91	654.0	-3.5	2.12	660.5	-0.3	45.6	44.9	44.9	45.0	
15	0.46	661.3	-13.9	.....	.....	.....	3.82	660.0	-0.5	1.80	663.5	-6.6	42.3	.....	43.0	43.4
16	0.31	664.0	-4.8	2.12	654.1	-13.6	5.17	658.4	-5.2	6.17	656.7	5.5	38.7	37.5	38.7	41.8	
17	0.46	661.8	-12.8	2.88	653.0	-11.3	9.33	653.9	4.8	1.53	662.3	10.2	34.9	34.2	35.0	36.7	
19	0.58	662.1	-3.9	3.27	677.6	-11.6	6.25	651.5	-1.9	2.52	655.2	-3.1	42.4	42.4	42.8	43.1	
20	1.13	662.4	-10.8	4.14	653.3	-10.7	6.72	658.8	-7.3	2.72	656.7	-2.6	42.2	42.2	42.4	42.8	
21	3.47	658.1	-15.0	5.23	652.1	-1.3	9.33	646.9	13.0	6.64	650.8	23.3	42.4	42.2	43.1	43.2	
22	1.13	658.3	-8.0	4.35	646.8	-0.2	6.37	656.9	20.1	1.92	658.5	7.9	42.3	42.3	44.7	43.0	
23	0.66	663.9	-6.1	2.06	657.7	-5.6	10.87	653.5	2.7	42.0	42.2	42.3	
24	1.25	657.6	-13.9	2.19	653.6	-5.2	4.62	659.3	1.0	1.80	662.3	0.1	40.5	40.5	41.1	41.3	
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DAILY OBSERVATIONS OF MAGNETOMETERS DURING DECEMBER, 1855.

47

Göttingen Mean Time.	8 A.M.			11 A.M.			2 P.M.			5 P.M.			Temperature of Bifilar and Balance.			
	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	Decln. 24° +	Bifil. Cor- rected.	Balce. Cor- rected.	8 A.M.	11 A.M.	2 P.M.	5 P.M.
Civil Day.		sc. div.	mic. div.		sc. div.	mic. div.		sc. div.	mic. div.		sc. div.	mic. div.				
Dec. 1
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10	1.73	660.1	-15.4	2.88	662.2	-14.7	2.94	662.4	-8.2	1.59	663.7	-8.8	32.2	31.8	32.7	33.2
11	1.39	655.4	-15.5	3.27	669.8	-22.9	3.67	668.3	-16.1	2.25	666.0	-12.0	29.0	28.7	30.6	31.1
12	4.08	664.2	-22.2	5.10	652.3	-22.5	5.64	659.2	-8.3	4.23	656.9	-7.1	28.3	27.9	28.2	28.7
13	2.00	663.9	-19.3	3.35	659.9	-21.0	3.88	667.3	-12.3	1.53	665.5	-12.3	25.8	25.4	26.6	27.5
14	1.86	666.8	-66.6	3.88	665.3	-17.3	.....	.....	.....	2.52	665.3	-7.1	33.3	35.0	.....	41.8
15	3.67	663.8	-14.2	4.62	666.7	-12.9	3.61	663.7	-5.3	.....	.....	.....	43.2	43.6	44.5	.....
17	1.73	664.4	-17.0	9.00	650.0	-13.6	6.31	666.4	-9.2	5.91	666.9	0.6	37.0	36.2	36.0	36.0
18	2.80	667.5	-14.4	5.23	657.7	-9.5	6.84	651.0	-6.3	1.45	651.9	-11.3	36.4	36.3	37.0	37.2
19	3.27	649.2	-17.4	4.14	643.9	-16.5	4.29	653.9	-10.6	.....	.....	.....	33.1	31.9	31.9	.....
20	1.65	660.0	-18.5	3.08	656.7	-11.1	4.02	663.6	-6.5	2.19	661.8	-8.3	28.4	28.0	29.8	30.1
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	0.86	665.6	-26.8	3.61	663.2	-20.3	2.80	664.7	-13.6	1.06	665.0	-15.9	25.3	24.7	24.6	26.7
24	0.66	665.7	-16.9	2.94	651.1	-20.4	3.27	663.7	-13.4	1.53	664.4	-8.4	35.7	36.3	37.8	39.5
25	0.52	669.4	-18.8	3.00	666.8	-21.6	4.62	660.8	-15.4	4.14	677.3	-5.1	40.8	40.9	42.1	43.2
26	0.78	664.3	-18.7	1.45	661.3	-13.9	2.19	664.1	-13.0	0.58	664.4	-12.7	40.9	41.0	41.2	41.4
27	-0.15	667.1	-11.9	1.53	667.1	-15.3	4.82	636.5	-10.8	0.52	666.2	-11.9	42.2	42.6	43.1	43.7
28	0.46	664.5	-16.2	2.80	660.9	-18.8	1.59	664.6	-15.8	0.78	664.2	-12.4	40.8	40.6	40.4	41.3
29	-0.21	668.2	-15.2	2.00	662.8	-15.4	3.55	668.4	-13.0	1.73	664.2	-10.0	43.3	43.3	44.1	44.8
31	0.58	662.6	-15.6	2.19	655.7	-9.0	2.94	660.2	-6.3	.....	.....	.....	44.4	45.0	46.6	.....

DAILY
METEOROLOGICAL OBSERVATIONS.

MAKERSTOUN OBSERVATORY.
1847-1855.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
Jan. 1	37.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.5	40.6	.....	.....	.....	.....
2	37.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.7	38.8	.....	.....	.....	.....
4	36.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	32.9	38.8	.....	.....	.....	.....
5	39.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.6	42.0	.....	.....	.....	.....
6	41.7	.....	29.817	42.2	41.5	95	29.845	42.1	41.9	98	40.4	45.6	.....	.....	.....	.....
7	41.1	.....	29.884	41.0	40.1	93	29.852	41.6	40.5	91	40.3	43.0	.....	.....	.....	.....
8	39.6	.....	29.958	41.9	40.2	87	30.003	39.0	36.9	83	39.8	42.4	.....	.....	.....	.....
9	33.0	.....	30.157	34.2	32.5	85	30.136	32.4	31.2	89	33.5	35.1	.....	.....	.....	.....
11	20.2	1.2	29.949	20.4	20.7	100	29.882	21.7	22.4	100	19.1	26.1	.....	0.1	0.0	— — 28, 30, —
12	15.3	3.6	29.869	16.9	17.2	100	29.814	15.1	15.6	100	12.0	19.6	.....	0.0	0.0	.....
13	26.7	9.7	29.707	26.7	26.8	100	29.697	28.7	28.9	100	14.4	30.8	.....	0.0	0.0	20, 14, 22, 30, —
14	28.7	7.1	29.766	27.1	27.2	100	29.789	30.9	30.7	98	17.8	31.6	.....	0.0	0.0	— — 28, 18, —
15	35.3	0.5	29.793	37.0	35.0	83	29.750	35.0	31.9	75	30.9	41.2	.....	0.3	0.3	18, 14, 16, 18, 28
16	31.3	6.6	29.884	33.7	33.6	100	29.941	30.8	30.4	95	31.4	36.6	0.70	0.3	0.0	14, 0, 24, 16, 18
18	31.3	10.0	29.966	31.6	31.4	98	29.973	32.0	31.6	96	30.8	34.1	.....	0.1	0.0	4, 7, 12, 31, 17
19	30.6	10.0	29.992	31.2	31.0	98	29.947	31.3	30.4	92	29.9	33.4	.....	0.2	0.0	2, 0, 20, — 18
20	29.0	7.0	29.831	29.9	29.8	99	29.777	30.1	.....	.....	25.6	34.6	.....	0.1	0.0	— 18, 18, 17, —
21	28.3	7.3	29.707	25.4	25.7	100	29.643	32.6	30.9	86	24.7	34.6	.....	0.2	0.0	8, 6, — 12, 8
22	33.6	9.9	29.589	34.9	32.8	82	29.535	34.9	32.9	83	30.3	36.3	.....	2.2	0.8	14, 14, 14, 14, 14
23	34.1	10.0	29.458	34.1	33.3	93	29.356	35.5	34.5	91	33.7	36.1	.....	2.2	0.2	15, 12, 14, 6, 14
25	37.7	9.0	28.790	37.5	35.7	85	28.741	38.6	37.6	93	34.4	40.8	.....	6.6	0.5	6, 16, 19, 18, 17
26	41.7	7.7	28.878	44.0	42.3	88	28.888	41.0	38.9	85	37.7	45.8	0.40	5.2	1.5	18, 19, 22, 16, 16
27	39.6	6.9	28.732	41.0	39.6	90	28.873	40.5	38.1	82	33.5	44.4	0.84	6.0	1.2	20, 18, 19, 20, 8
28	37.7	10.0	28.611	36.7	36.5	99	28.721	39.4	38.2	91	34.9	42.2	0.41	0.6	0.1	18, 20, 26, 24, 24
29	37.5	7.1	28.957	38.5	37.5	92	29.026	38.9	37.3	88	31.5	43.3	.....	0.9	0.2	18, 17, 22, 20, 16
30	36.3	8.4	29.318	36.3	35.5	93	29.403	37.9	36.7	90	31.9	40.6	.....	1.5	0.6	28, 28, 30, 31, 0
Feb. 1	32.4	6.7	29.634	34.0	33.9	99	29.716	34.0	31.7	82	31.2	39.6	0.280	2.0	0.2	2, 2, 3, 2, 2
2	31.5	6.1	29.843	33.7	32.1	86	29.830	32.4	31.3	91	25.5	38.3	0.57	0.8	0.3	28, 31, 2, 0, 4
3	29.7	8.4	29.899	32.2	31.9	97	29.910	32.7	32.5	98	22.6	37.8	0.138	0.5	0.1	18, 21, 18, 16, 24
4	25.7	3.9	29.968	28.3	28.6	100	29.980	31.0	31.5	100	13.6	36.8	.....	0.1	0.0	— 20, 24, 18, 20
5	38.6	8.2	29.768	40.3	38.1	83	29.658	40.7	37.5	76	19.1	42.8	.....	1.2	0.4	22, 17, 20, 19, 22
6	38.3	4.2	29.208	42.4	39.3	78	29.234	36.7	32.9	70	36.5	44.2	.....	6.1	2.3	22, 26, 29, 28, 28
8	24.6	1.7	29.324	25.5	25.4	100	29.203	28.4	25.9	77	18.7	30.1	.....	1.3	0.1	26, 23, 26, 28, 24
9	26.4	7.0	29.098	27.8	25.9	82	29.100	31.2	29.4	84	18.6	34.0	.....	4.0	1.5	22, 29, 29, 28, 29
10	30.6	2.8	29.340	30.1	29.4	94	29.334	34.0	31.6	81	27.1	35.1	.....	5.0	1.0	28, 28, 28, 29, 30
11	31.2	6.6	29.589	29.8	28.4	87	29.598	34.0	31.5	80	27.2	38.5	.....	.....	0.1	28, 18, 26, 26, 24
12	25.6	3.1	29.610	26.8	26.1	93	29.610	31.8	31.2	95	16.1	36.2	.....	.....	0.0	18, — 28, — 18
13	29.1	7.2	29.711	28.6	27.9	94	29.556	35.1	33.2	84	15.5	37.2	.....	3.2	0.5	— 20, 18, 20, 20
15	36.8	6.9	29.032	37.9	37.0	93	28.868	39.8	37.9	86	34.1	44.8	0.100	4.1	0.7	20, 16, 18, 22, 23
16	40.2	6.4	29.263	40.8	38.4	82	29.204	42.3	40.0	83	34.7	44.6	0.32	5.6	1.4	22, 20, 18, 20, 22
17	42.3	9.6	29.333	41.6	40.6	93	29.303	45.8	44.6	92	34.8	46.4	0.65	4.2	0.9	18, 18, 18, 20, 20
18	44.5	7.2	29.252	47.4	44.3	80	29.238	43.0	41.2	87	.....	49.7	0.21	11.1	3.4	20, 20, 20, 19, —
19	39.5	6.4	29.370	40.2	36.9	75	29.558	42.0	37.9	70	36.8	44.9	.....	6.3	2.3	22, 22, 26, 20, 24
20	41.6	10.0	29.837	41.6	39.9	87	29.750	45.5	43.0	83	34.0	47.6	.....	2.1	0.7	18, 16, 18, 20, —
22	41.4	3.4	30.065	41.4	40.5	93	30.071	46.9	44.9	86	31.7	50.0	.....	0.6	0.1	21, 20, 22, 20, 0
23	35.0	6.6	30.103	35.4	35.5	100	30.060	39.9	37.7	83	30.5	44.4	0.058	0.8	0.1	8, 4, 16, 12, 20
24	32.4	5.2	30.049	32.5	31.3	90	30.006	39.5	35.4	68	26.6	43.1	.....	0.7	0.2	24, 28, 16, 14, —
25	28.7	0.3	29.998	27.5	27.2	97	29.963	36.3	32.9	72	19.6	37.6	.....	0.3	0.1	— 24, 8, 2, 0
26	34.0	9.7	30.045	36.1	32.3	68	30.047	35.9	33.0	75	27.3	39.8	.....	0.9	0.4	4, 8, 8, 10, 8
27	33.2	7.4	30.069	33.4	32.9	95	30.033	36.5	33.6	76	28.9	39.3	.....	0.5	0.2	12, 2, 0, 1, 0

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Gottingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Gottingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Gottingen Mean Time.	
	Tem. of Air.	Sky Clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*		
20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .																	
Mar.	1	35.9	9.6	30.292	39.8	38.2	87	30.322	38.3	37.8	96	31.8	41.0	-013	1.0	0.4	27, 3, 2, 2, 2
	2	37.8	10.0	30.421	39.0	36.6	81	30.423	42.0	38.3	73	34.2	44.3		0.8	0.2	30, 20, 0, 30, 28
	3	38.1	10.0	30.452	41.0	38.7	83	30.422	40.4	37.4	77	38.4	43.4		0.6	0.2	31, 2, 3, 4, 28
	4	37.3	10.0	30.376	39.6	37.3	82	30.334	41.2	37.6	73	32.6	43.5		0.6	0.1	18, 10, 0, 0, 30
	5	39.2	9.6	30.304	42.2	38.9	76	30.260	41.1	38.9	83	37.9	44.7		2.2	0.9	0, 1, 1, 2, 2
	6	38.9	8.9	30.136	41.0	37.0	70	30.048	41.0	38.3	79	35.2	45.2		1.3	0.6	1, 0, 4, 28, 2
	8	40.8	6.8	29.978	43.2	39.9	76	29.878	45.2	39.5	61	37.0	48.9	-084	2.2	0.8	23, 30, 28, 31, 31
	9	32.1	6.4	29.876	34.3	32.1	81	29.855	34.4	31.6	77	31.3	39.0		5.1	0.7	31, 31, 30, 30, 30
	10	27.8	4.9	29.883	31.3	30.4	91	29.942	32.4	30.7	85	25.1	37.1	-056	1.4	0.2	4, 26, 0, 6, 24
	11	31.9	7.5	29.794	34.6	31.5	74	29.621	34.3	34.0	98	16.8	39.5		3.8	1.0	19, 19, 21, 20, 25
	12	35.6	7.2	29.921	37.8	34.9	76	29.930	40.0	35.3	64	30.8	42.1		1.1	0.2	28, 30, 30, 0, 17
	13	42.5	9.1	29.912	45.0	42.3	81	29.934	46.8	42.9	74	33.2	49.7		1.8	0.7	26, 24, 24, 20, 28
		15	47.4	7.3	29.682	48.2	40.8	54	29.561	57.6	44.9	35	33.3	58.1		11.0	0.8	— 17, 17, 18, 8
16		52.3	8.0	29.441	54.3	47.4	61	29.339	56.6	49.0	59	37.9	64.8		5.0	1.4	17, 17, 18, 15, 17
17		50.8	10.0	29.431	53.8	49.5	75	29.438	54.5	50.8	79	45.7	58.1	-025	12.7	0.3	17, 16, 17, 18, 24
18		52.3	2.3	29.554	56.0	48.1	57	29.501	60.3	48.5	42	39.7	64.7		2.0	0.5	16, 17, 16, 24, 20
19		46.6	2.8	29.390	47.3	44.6	82	29.244	56.1	46.9	51	31.1	60.1		2.4	0.7	— 8, 14, 12, 16
20		47.4	7.6	29.091	50.7	46.7	76	29.140	51.3	45.5	66	40.0	56.0		4.8	1.1	17, 16, 18, 18, 14
22		43.5	4.7	29.616	44.8	42.6	85	29.607	51.0	44.9	63	31.3	54.0		0.3	0.1	18, 17, 2, 6, 4
23		43.2	9.4	29.492	43.9	41.6	84	29.410	46.8	44.7	86	32.9	51.7		1.0	0.3	28, 6, 16, 12, 15
24		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....	.....
25		40.7	9.0	29.812	42.0	41.5	96	29.801	45.4	41.9	76	39.8	46.9	-068	0.6	0.1	4, 6, 8, 12, 5
26		40.9	10.0	29.828	42.3	41.3	92	29.784	44.4	42.3	85	35.9	49.0		0.8	0.1	10, 10, 14, 6, 7
27		46.0	8.2	29.749	47.3	45.4	87	29.687	53.7	46.4	59	38.8	57.2		0.2	0.0	20, 25, 18, 3, 2
April		29	37.0	8.7	29.556	41.8	38.3	74	29.526	38.8	37.1	86	30.5	46.1		3.3	1.2
	30	35.8	8.3	29.495	38.3	34.5	71	29.423	41.0	35.4	59	30.5	42.6	-042	1.2	0.4	29, 28, 30, 31, 25
	31	34.6	6.2	29.326	38.7	34.3	66	29.236	37.3	34.5	78	29.0	42.8		1.1	0.2	28, 31, 29, 28, 20
	1	31.9	5.2	29.165	35.2	31.6	72	29.108	37.7	34.3	74	28.0	44.5	-055	0.7	0.1	26, 28, 28, 29, 0
	2	32.7	6.8	29.153	35.3	33.6	86	29.205	38.2	34.1	68	28.1	40.7	-054	4.2	2.0	30, 0, 0, 0, 0
	3	34.7	4.2	29.296	37.8	34.6	75	29.357	40.2	35.8	67	30.8	42.6	-103	5.2	1.9	0, 0, 0, 1, 2
	5	42.8	3.8	29.295	46.5	40.4	60	29.310	49.0	41.6	55	36.8	52.3		6.2	2.4	24, 24, 25, 25, 20
	6	44.4	6.6	29.517	46.7	39.9	56	29.502	49.8	43.0	58	30.5	51.4		1.2	0.4	18, 27, 23, 22, 18
	7	45.3	8.6	29.425	48.7	43.2	65	29.423	49.9	43.3	60	41.2	54.6		8.0	1.2	22, 25, 22, 24, 21
	8	42.3	6.7	28.896	49.3	44.0	67	28.871	41.0	38.3	80	39.2	51.5	-230	10.8	4.5	20, 21, 20, 23, 24
	9	41.2	2.2	29.156	47.0	40.3	57	29.276	43.0	39.3	74	37.6	50.0		9.8	3.3	26, 26, 26, 22, 26
	10	42.4	3.8	29.581	46.9	39.5	53	29.603	49.5	41.3	50	32.9	52.3		2.2	0.1	26, 27, 26, 28, 22
	12	45.1	9.4	29.390	52.6	48.4	75	29.514	44.2	41.3	80	42.3	59.1		2.0	0.2	— 20, 7, 2, 4
13	37.1	8.5	29.776	40.6	36.5	69	29.816	41.4	36.6	64	32.5	43.9	-014	2.8	0.8	1, 31, 0, 2, 1	
14	36.1	10.0	29.938	39.5	35.0	65	29.889	40.1	35.3	64	33.5	42.6		2.4	0.8	0, 2, 2, 2, 0	
15	37.3	10.0	29.861	43.0	39.0	71	29.870	39.8	38.7	92	34.8	44.2	-010	0.5	0.1	26, 1, 8, 14, 16	
16	40.0	10.0	29.778	42.0	40.4	88	29.686	46.6	42.5	73	35.4	51.5	-046	0.8	0.4	22, 19, 18, 20, 20	
17	36.3	10.0	29.556	38.6	37.3	90	29.575	41.0	39.3	87	35.2	42.4	-087	0.6	0.1	16, 24, 25, 24, —	
	19	40.6	8.1	29.505	47.1	41.7	65	29.474	45.5	40.4	66	26.8	52.0	-017	1.1	0.0	16, — 0, 4, 8
	20	41.8	6.1	29.636	45.6	40.7	67	29.661	45.2	40.3	67	27.4	56.7		0.7	0.1	24, — 28, 6, 14
	21	45.5	6.7	29.782	49.5	45.1	72	29.775	53.0	46.7	63	29.3	57.2		0.5	0.2	— 1, 16, 16, 17
	22	45.2	4.7	29.860	48.5	44.0	71	29.816	50.7	46.3	72	31.9	57.8		0.5	0.2	20, — 4, 16, 20
	23	46.5	3.8	29.760	50.2	45.3	69	29.704	54.9	47.3	58	29.6	59.6		1.0	0.1	25, 28, 20, 12, 16
	24	45.1	5.9	29.709	50.9	44.8	63	29.691	49.5	46.6	82	28.2	58.3		0.7	0.0	25, 28, 24, 12, 18
	26	45.5	7.8	29.161	48.8	45.5	79	29.249	50.0	44.7	67	40.0	53.4	-133	5.5	1.6	18, 21, 21, 20, 22
	27	43.9	6.7	28.916	49.0	44.3	71	28.853	47.2	42.6	70	39.6	51.4	-139	10.6	4.6	20, 20, 20, 20, 20
	28	44.2	9.3	28.962	48.0	44.6	78	29.020	47.2	44.8	84	40.1	53.3	-103	9.9	2.8	20, 20, 19, 21, 24
	29	46.1	7.9	29.196	50.0	43.5	61	29.271	51.8	44.6	58	38.6	57.9	-013	1.1	0.2	24, 30, 31, 7, 14
	30	41.0	6.6	29.363	47.8	42.3	65	29.367	46.0	41.3	69	36.7	54.1	-230	1.2	0.2	19, 24, 22, 20, 18

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.		11 A.M., Gottingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Gottingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Gottingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32".	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32".	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
May 1	43.0	5.3	29.478	47.8	42.3	65	29.439	49.0	43.3	65	32.3	53.4	.022	0.7	0.2	— 30, 6, 4, 14
3	40.9	9.9	29.636	43.0	41.7	91	29.688	44.4	41.6	80	37.4	47.1	.078	3.0	1.2	0, 1, 2, 2, 2
4	46.1	5.5	29.751	48.0	45.5	83	29.683	54.4	49.0	69	40.8	57.3	.003	0.7	0.2	2, 6, 8, 14, 10
5	43.4	9.4	29.663	50.8	47.3	78	29.589	46.0	44.2	88	36.5	52.6		2.4	0.9	4, 3, 6, 5, 3
6	42.3	9.4	29.541	49.3	45.9	78	29.481	44.0	43.1	93	39.1	54.7		1.2	0.5	5, 8, 8, 5, 8
7	49.9	9.2	29.486	57.8	51.0	63	29.433	53.6	49.5	76	39.0	62.0	.358	1.8	0.6	12, 16, 10, 6, 12
8	41.9	10.0	29.384	44.6	44.3	98	29.278	46.7	46.0	95	42.2	50.1	.037 .597	1.2	0.4	4, 4, 4, 4, 2
10	53.0	6.5	29.609	58.7	53.3	71	29.595	57.2	52.4	74	41.1	64.5	.096	2.4	0.2	8, 3, 14, 12, 12
11	46.2	10.0	29.463	51.2	49.1	87	29.399	47.9	47.1	95	39.4	53.2		0.4	0.1	4, 4, 8, 3, 4
12	50.7	7.1	29.388	57.9	53.5	76	29.365	50.5	49.8	96	35.5	64.4		1.8	0.1	— 18, 19, 30, 4
13	52.8	6.4	29.445	57.6	52.9	74	29.416	59.4	54.2	73	47.5	63.4	.354	1.7	0.3	21, 20, 18, 30, 19
14	52.6	6.0	29.467	56.9	53.0	78	29.457	57.9	51.9	68	44.8	61.1	.140	1.7	0.8	14, 19, 18, 19, 19
15	53.4	4.1	29.560	57.5	50.9	65	29.583	57.9	51.6	66	43.8	61.7		2.5	0.8	19, 18, 18, 18, 20
17	39.2	10.0	29.519	40.7	40.0	95	29.660	42.6	41.6	93	39.2	45.7	1.320	2.6	0.3	2, 3, 5, 6, 4
18	41.0	10.0	29.816	44.0	41.5	82	29.739	44.3	42.6	88	39.6	47.0		0.7	0.4	6, 8, 6, 7, 3
19	51.2	9.2	29.485	56.7	52.3	75	29.452	57.4	53.3	77	41.9	63.6	.634	1.3	0.5	10, 1, 18, 18, 20
20	52.4	8.9	29.444	56.6	52.2	75	29.523	56.5	51.1	70	45.4	60.7	.192	2.3	0.7	22, 28, 24, 28, 20
21	52.2	9.2	29.735	56.1	50.7	70	29.747	53.7	50.6	81	44.9	60.3		2.3	1.1	21, 21, 20, 20, 20
22	49.8	8.3	29.582	52.8	49.3	79	29.619	53.9	50.7	81	46.9	57.6		2.7	1.1	20, 19, 20, 22, 25
24	55.8	6.2	29.458	58.1	53.3	74	29.412	61.4	54.3	64	49.2	64.2	.012	3.6	1.3	— 20, 20, 20, 20
25	51.8	8.6	29.611	54.2	47.7	63	29.723	56.1	50.7	70	44.9	59.7	.028	3.8	1.9	22, 19, 24, 20, 18
26	52.2	7.4	29.808	55.8	50.6	70	29.835	51.7	49.5	86	47.7	60.9		3.9	1.5	22, 20, 20, 20, 18
27	59.4	4.5	29.882	59.1	52.5	65	29.782	67.1	59.1	63	42.0	72.3		1.2	0.3	21, 21, 12, 12, 12
28	66.8	4.3	29.669	68.3	61.3	68	29.631	75.0	65.3	60	45.2	80.3		1.2	0.1	8, 8, 12, 24, 16
29	56.2	9.1	29.533	60.6	59.3	93	29.586	62.0	57.2	76	47.2	67.7	.486	1.4	0.3	16, — 20, 18, 18
31	63.9	3.8	30.261	66.8	60.4	70	30.255	69.3	60.1	59	46.9	73.3		2.4	0.4	16, 18, 20, 20, 20
June 1	65.3	5.2	30.302	68.6	61.1	66	30.253	70.2	62.9	67	47.0	78.0		0.4	0.1	— 22, 8, 4, 4
2	64.2	6.1	30.256	71.1	63.0	64	30.231	67.9	60.3	65	47.1	76.0		0.4	0.1	30, — 0, 4, 2
3	64.7	1.8	30.187	70.7	63.6	68	30.149	69.8	61.9	64	51.2	73.7		0.4	0.1	— 6, 6, 2, 4
4	52.3	10.0	30.183	56.5	55.0	91	30.182	54.2	50.8	80	51.6	60.0		0.4	0.2	2, 6, 4, 3, 4
5	52.1	7.8	30.062	55.5	47.5	56	29.947	59.8	49.4	47	44.8	62.4		0.9	0.3	28, 0, 28, 0, 2
7	50.0	9.9	29.799	54.2	49.2	71	29.713	52.9	48.6	74	36.1	59.6		1.9	0.3	— 24, 24, 24, 24
8	46.6	5.8	29.444	52.7	46.1	61	29.506	50.4	45.5	70	42.0	56.9	.080	4.0	0.9	26, 30, 30, 30, 31
9	50.0	10.0	29.677	53.9	48.1	67	29.564	57.2	52.0	72	36.0	65.5		0.8	0.1	30, 0, 10, 18, 20
10	48.0	8.4	29.463	53.9	48.3	68	29.520	55.6	49.6	66	46.4	59.7	.326	2.0	0.6	30, 28, 30, 28, 26
11	51.1	8.4	29.699	56.9	50.3	64	29.719	54.7	49.3	69	38.0	60.6	.022	1.2	0.3	24, 28, 22, 20, 24
12	53.4	9.9	29.665	57.3	51.6	69	29.655	57.6	50.9	64	37.0	64.3		1.0	0.3	20, 18, 18, 18, 18
14	54.1	8.7	29.185	54.9	51.4	80	29.168	61.6	54.2	63	49.0	64.9	.228	2.5	0.2	20, 18, 19, 22, 16
15	49.9	9.8	29.117	57.3	52.6	74	29.175	51.6	48.2	80	41.7	63.6	.152	0.9	0.2	20, 20, 18, 20, 18
16	55.0	6.2	29.392	58.4	50.9	61	29.325	58.2	53.3	74	39.9	66.9		0.7	0.2	22, 21, 6, 10, 8
17	47.3	10.0	29.379	50.7	49.7	94	29.429	50.3	49.7	96	47.8	53.2	.100	1.7	0.8	4, 2, 3, 0, 31
18	50.8	9.2	29.549	52.3	50.1	87	29.574	57.2	52.6	75	47.7	60.1		0.7	0.5	0, 0, 0, 2, 1
19	55.3	9.9	29.659	56.7	52.6	77	29.660	62.4	55.6	66	51.2	68.0		1.1	0.2	30, 31, 0, 31, 22
21	54.6	8.8	29.334	60.0	54.5	71	29.325	60.6	50.7	51	51.9	65.3		1.3	0.7	23, 20, 22, 20, 22
22	50.8	8.2	29.284	55.5	51.9	78	29.218	55.7	51.1	74	42.0	60.2	.450	3.1	1.2	21, 18, 19, 20, 18
23	57.5	4.1	29.288	59.9	52.9	64	29.279	63.2	53.8	55	43.4	66.6		1.2	0.4	18, 18, 21, 20, 20
24	55.7	8.1	29.204	58.8	54.7	78	29.169	63.4	55.2	61	43.8	66.3	.098	0.7	0.2	22, 16, 18, 18, 20
25	54.4	8.1	29.296	61.0	56.2	75	29.359	58.1	54.3	80	45.3	63.7	.200	1.0	0.3	18, 18, 18, 20, 24
26	56.9	6.9	29.710	59.9	52.7	62	29.784	63.5	54.2	55	43.3	67.8	.314	1.1	0.3	22, 23, 21, 20, 20
28	66.4	2.2	30.097	69.3	63.5	73	30.105	74.0	65.3	63	51.8	76.0		1.1	0.2	20, 0, 31, 28, 23
29	63.4	1.6	30.174	66.9	61.7	75	30.162	69.3	61.1	63	47.4	73.5		0.4	0.1	2, 4, 6, 7, 8
30	58.6	4.9	30.186	63.7	59.1	77	30.156	65.9	59.8	71	52.2	67.3		0.4	0.2	6, 4, 7, 6, 6

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Gottingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Gottingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Thermometer.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Gottingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
July 1	56.5	6.9	30.176	56.3	54.3	88	30.139	60.8	56.6	78	51.0	68.2		0.4	0.2	4, 6, 8, 8, 6
2	54.6	4.3	30.136	57.9	53.8	77	30.076	58.6	54.5	78	49.7	63.8		0.4	0.1	6, 6, 4, 4, 2
3	64.0	0.7	29.922	61.0	57.9	70	29.859	75.2	62.8	50	38.7	76.2		0.5	0.1	22, 16, 16, 20, 18
5	60.5	6.7	29.701	62.9	60.0	85	29.665	66.9	63.3	83	50.9	78.8		0.7	0.1	15, 12, 18, 2, 2
6	63.9	9.6	29.656	64.5	62.4	90	29.608	72.0	65.2	70	53.4	77.1		0.2	0.0	— — 22, 14, 18
7	56.0	10.0	29.532	57.6	56.6	94	29.474	59.5	59.5	100	53.5	67.0	1.76	0.2	0.1	1, 2, 3, 1, —
8	59.8	8.4	29.613	69.9	63.1	69	29.607	58.9	58.9	100	45.4	74.5	1.026	1.0	0.1	12, 20, 8, — 4
9	60.6	6.0	29.666	64.8	59.1	72	29.697	64.3	58.1	70	46.4	69.1	1.760	1.3	0.6	18, 22, 22, 19, 16
10	63.4	9.6	29.789	64.5	62.8	91	29.797	70.0	63.2	69	54.0	75.9		1.2	0.3	20, 24, 20, 18, 20
12	65.8	4.6	29.901	69.6	65.4	80	29.908	71.5	66.4	77	58.8	76.4		1.1	0.3	22, 18, 18, 18, 20
13	65.6	6.8	29.973	71.0	65.5	75	29.953	70.5	64.9	74	53.7	75.6		0.5	0.2	22, 16, 23, 19, 20
14	69.5	4.8	29.999	72.2	65.3	69	29.961	77.0	70.0	71	50.4	84.4		0.2	0.0	21, 14, 19, 22, 22
15	64.0	8.5	29.937	75.8	68.7	70	29.913	63.0	61.3	91	55.8	83.2		0.8	0.2	28, 16, 2, 2, 2
16	52.5	10.0	29.909	55.1	53.2	89	29.907	56.6	53.9	84	51.5	58.5	0.46	0.9	0.3	0, 1, 2, 2, 2
17	57.7	3.0	29.917	61.8	56.6	73	29.877	62.4	54.2	59	42.9	67.6		0.3	0.1	9, 10, 8, 10, 2
19	62.3	9.0	29.749	64.0	58.2	71	29.695	66.2	61.3	76	51.7	76.1		0.4	0.1	26, 26, 12, — 4
20	56.4	9.9	29.726	59.2	55.5	80	29.711	61.0	56.8	78	52.9	67.1		0.4	0.1	1, 0, 6, 6, 4
21	58.4	9.6	29.617	60.6	57.1	81	29.547	63.0	59.7	83	47.8	73.0		0.7	0.1	12, — 21, 2, 0
22	58.4	9.4	29.547	60.2	58.7	92	29.595	62.7	57.6	74	54.0	69.3	0.975	3.4	1.8	18, 18, 22, 22, 20
23	57.6	7.3	29.934	60.6	54.3	67	29.967	62.8	55.1	62	50.1	68.6		4.2	0.5	23, 23, 29, 24, 20
24	57.6	6.9	29.903	63.5	56.2	64	29.848	59.0	54.4	75	45.5	71.2		0.9	0.0	18, 20, 20, 2, 6
26	62.6	7.7	29.738	64.8	59.9	76	29.738	68.7	57.9	52	41.5	72.5	1.52	0.5	0.1	— 24, 28, 28, 24
27	60.1	8.6	29.796	65.2	58.6	68	29.719	63.6	57.9	72	45.4	70.0		2.8	0.9	21, 28, 16, 20, 20
28	57.0	9.9	29.658	60.0	56.1	79	29.680	60.6	55.2	72	55.3	65.5		3.2	1.2	22, 22, 22, 24, 24
29	61.3	6.3	29.793	63.2	59.2	79	29.785	69.0	58.8	55	51.8	71.6	0.10	1.7	0.5	20, 22, 24, 22, 30
30	61.3	4.6	29.680	64.0	57.5	68	29.628	64.7	58.6	70	51.0	69.8		2.4	1.0	18, 20, 22, 20, 20
31	58.3	7.2	29.727	63.2	55.7	63	29.677	60.2	56.5	80	49.2	66.0		3.0	1.0	21, 20, 16, 19, 18
Aug. 2	57.0	8.4	29.663	60.1	56.7	82	29.653	62.6	54.1	59	50.6	67.4	1.187	2.3	0.2	20, 22, 28, 26, 26
3	55.8	4.4	29.696	58.3	51.6	64	29.688	61.4	52.5	56	37.5	63.8		1.8	0.4	18, 24, 24, 24, 21
4	54.2	9.8	29.562	59.0	53.6	71	29.451	58.3	51.5	64	36.8	63.6		1.6	0.5	18, 20, 18, 16, 17
5	57.0	9.8	29.247	63.6	58.8	76	29.209	60.3	56.8	82	48.5	66.3	1.184	1.2	0.4	22, 18, 19, 18, 20
6	58.6	6.7	29.373	61.6	58.0	81	29.443	64.3	58.2	70	46.3	67.2	0.038	0.4	0.1	23, 4, 0, 4, 4
7	56.8	8.9	29.304	62.2	58.1	79	29.269	63.9	56.6	65	49.0	67.3	0.016	1.7	0.6	20, 18, 25, 22, 21
9	52.9	9.4	29.465	55.9	51.0	72	29.486	56.4	53.0	81	47.7	63.0	1.198	1.6	0.2	26, 0, 31, 6, 30
10	54.6	10.0	29.460	58.5	54.4	78	29.403	62.2	58.1	79	38.2	64.6		1.4	0.5	30, 14, 18, 16, 16
11	57.5	6.3	29.745	62.0	56.5	72	29.734	62.4	55.3	65	40.8	68.7		2.3	0.5	18, 18, 20, 17, 16
12	57.8	9.6	29.650	59.5	58.4	94	29.708	62.7	58.2	77	54.7	66.5	0.230	1.1	0.5	18, 20, 19, 20, 20
13	58.6	3.4	30.022	61.1	55.3	70	30.074	64.3	57.5	67	43.0	67.9	0.050	0.8	0.3	22, 26, 22, 0, —
14	56.8	1.9	30.212	59.8	55.2	75	30.175	66.9	59.5	65	35.8	70.0		0.5	0.1	26, — 6, 10, 20
16	54.6	5.2	30.084	58.5	53.6	73	30.002	63.4	58.5	75	35.1	66.0		0.2	0.0	21, 0, 2, 2, 0
17	54.1	7.8	30.008	60.5	56.3	77	30.020	58.5	56.2	87	38.6	65.2		0.9	0.3	— 0, 2, 0, 2
18	53.5	9.6	30.106	55.9	54.2	90	30.064	59.8	56.6	82	50.4	64.3		0.7	0.1	2, 2, 4, 4, 4
19	58.6	3.3	29.985	59.3	56.0	82	29.873	70.6	63.6	69	42.0	71.8		0.2	0.1	22, 18, 18, 24, 22
20	59.3	7.0	29.694	65.5	59.8	70	29.617	65.6	60.8	77	39.8	69.8		1.2	0.4	16, 20, 22, — 20
21	54.4	10.0	29.600	60.3	56.0	77	.....	57.0	55.2	89	48.0	63.2		1.1	0.4	16, 20, 20, — 16
23	49.0	4.2	29.844	51.6	49.0	84	29.894	57.2	54.3	83	.....	.....	1.132	0.7	0.3	30, 0, 30, 31, —
24	53.4	8.3	29.956	59.5	57.3	88	29.910	58.2	56.9	92	.....	.....		0.4	0.2	16, 22, 22, 20, 18
25	54.5	10.0	29.835	58.8	54.2	75	29.845	60.5	55.3	72	.....	.....		0.1	0.1	22, 20, — — 24
26	56.6	8.0	29.974	60.4	56.5	79	29.957	63.8	61.1	86	.....	.....		0.3	0.0	16, 22, 16, 20, —
27	51.5	8.7	29.967	66.7	62.1	78	29.940	65.9	61.8	80	.....	.....		1.2	0.5	18, 18, 20, 22, 20
28	59.0	5.5	30.036	63.2	62.7	97	29.963	67.6	59.3	62	.....	.....		0.3	0.0	16, 12, 26, 22, 24
30	54.6	8.8	29.693	58.8	55.3	81	29.605	59.5	55.3	78	.....	.....		0.9	0.5	18, 18, 24, 20, 22
31	55.4	6.8	29.727	59.0	53.5	71	29.686	60.8	53.5	63	.....	.....		0.6	0.2	21, 20, 20, 20, 22

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
Sept. 1	50.7	7.2	29.313	55.2	50.0	71	29.233	53.9	48.9	71	°	°		4.5	2.3	20, 20, 20, 24, 22
2	49.5	4.9	29.583	53.8	46.9	61	29.678	53.9	46.7	59	47.4	57.6	-070	5.2	2.1	27, 28, 30, 30, 30
3	47.3	9.3	29.551	53.7	49.6	76	29.519	51.3	46.3	70	.....	57.8		0.6	0.1	16, 22, 18, 2, 24
4	44.8	5.1	29.618	49.6	44.3	67	29.611	50.1	45.4	71	32.8	54.9		2.1	0.6	28, 28, 28, 25, 20
6	47.0	8.9	29.631	49.3	45.0	73	29.658	52.9	47.0	66	40.8	56.1		1.6	0.3	28, 30, 30, 28, 20
7	49.3	9.9	29.610	55.4	51.4	77	29.526	55.0	51.8	81	26.8	60.4		1.4	0.2	— 20, 18, 18, 16
8	51.6	7.2	29.656	51.7	51.4	98	29.672	60.0	56.0	79	47.2	.....	-088	0.5	0.1	31, 4, 7, — 18
9	55.8	10.0	29.604	60.4	57.7	85	29.634	61.7	59.0	86	47.0	63.2		2.9	1.2	20, 20, 20, 20, 20
10	50.8	4.0	29.810	54.4	49.3	70	29.830	56.3	49.2	61	48.0	61.2	-030	0.9	0.2	24, 24, 20, 25, 24
11	47.2	7.6	29.784	50.7	46.3	73	29.515	51.7	50.6	93	45.0	57.3		8.2	1.4	18, 21, 20, 18, 20
13	46.6	5.7	29.515	55.3	49.7	69	29.524	49.6	48.5	93	36.8	61.8		2.6	0.1	— 28, — 20, 20
14	45.7	5.1	29.542	51.0	47.1	76	29.544	50.2	47.5	82	34.0	57.2	-175	1.0	0.1	— — 26, 16, 20
15	46.1	8.3	29.553	51.3	47.9	79	29.409	50.1	46.6	78	32.3	57.8		2.1	0.4	20, 22, 18, 20, 16
16	47.8	6.8	28.591	50.7	49.4	92	28.733	49.2	48.0	92	42.3	58.6	-202	8.2	2.2	20, 20, 25, 26, 22
17	47.3	9.3	29.048	51.2	47.4	77	29.001	51.7	47.3	74	46.2	58.8		10.3	0.3	21, 22, 23, 26, 20
18	44.8	4.3	29.124	48.2	43.3	69	29.242	49.6	46.9	83	32.6	55.4	-279	2.4	0.5	22, 20, 28, 30, 20
20	42.5	3.8	29.362	45.3	42.7	82	29.513	48.3	43.2	68	32.0	52.8		2.9	0.6	21, 24, 24, 20, 18
21	46.6	7.6	29.761	50.5	46.0	72	29.691	51.8	47.5	74	35.2	58.4		0.8	0.3	22, 21, 18, 18, —
22	56.9	9.1	29.625	61.2	58.9	88	29.641	59.8	58.0	90	45.5	67.0	-330	1.6	0.5	21, 20, 22, 19, 18
23	53.2	8.4	29.401	59.1	56.5	86	29.503	55.4	50.8	76	52.8	61.2	-020	9.2	1.5	20, 20, 22, 22, 20
24	50.1	7.9	29.882	53.3	48.3	70	29.929	54.1	49.0	70	46.0	60.5		1.6	0.2	10, 26, — 18, 18
25	53.0	6.3	29.517	59.8	56.1	80	29.640	56.9	53.3	80	50.0	61.2	-173	5.0	1.0	20, 20, 23, 23, 1
27	42.3	0.3	30.093	44.2	41.6	81	30.044	55.1	48.3	61	25.0	56.8	-008	0.5	0.0	— 14, 14, 14, —
28	48.9	2.2	30.142	55.1	50.1	71	30.122	55.5	50.5	71	39.0	62.8		0.3	0.1	— 4, 12, 13, —
29	48.6	5.9	30.209	53.2	49.3	77	30.163	53.0	49.3	78	35.0	60.3		1.1	0.2	14, 16, 14, 12, —
30	47.6	8.1	30.187	52.3	47.9	73	30.127	51.6	47.3	74	32.2	55.3		1.0	0.3	4, 6, 5, 7, 4
Oct. 1	50.6	5.6	30.072	54.2	52.1	87	30.063	54.6	51.6	82	38.7	58.2		2.2	0.7	8, 4, 3, 3, —
2	46.8	10.0	30.062	48.0	45.9	86	30.017	48.8	47.4	91	45.7	51.0		1.6	0.5	2, 1, 0, 30, 0
4	43.4	9.9	29.918	45.7	44.0	88	29.831	45.0	44.1	93	43.6	48.4		1.1	0.1	0, 30, 30, 0, 2
5	43.2	10.0	29.634	47.7	44.5	79	29.567	43.0	42.9	99	39.2	49.8		0.9	0.4	3, 2, 2, 2, 2
6	46.1	10.0	29.550	48.0	46.9	93	29.475	47.8	47.0	95	41.2	50.7	-348	2.4	1.2	10, 6, 8, 8, 8
7	48.2	9.2	29.234	51.6	50.6	94	29.260	50.9	49.5	91	46.2	53.2	-452	10.2	0.7	11, 10, 14, 18, 20
8	46.8	8.1	29.364	47.8	47.1	95	29.426	50.4	48.3	87	33.5	56.3	-300	0.3	0.1	4, 4, 14, 16, 18
9	47.1	5.1	29.665	48.8	47.5	92	29.597	50.8	48.3	84	37.5	55.9	-010	0.4	0.1	— 4, 16, 8, 12
11	55.9	5.8	29.616	59.3	57.1	88	29.624	58.3	56.2	89	54.3	62.8	-140	1.2	0.3	14, 14, 15, 12, 0
12	50.1	8.6	29.715	53.0	52.4	96	29.713	52.0	51.9	99	45.2	58.9	-010	0.4	0.1	— 2, 2, 2, 2, 2
13	46.7	10.0	29.893	48.6	48.3	98	29.884	48.1	47.3	94	46.0	50.5	-038	0.6	0.2	2, 4, 4, 6, 8
14	43.2	9.5	29.780	45.4	43.3	85	29.720	44.6	42.8	87	42.0	49.1		0.4	0.1	10, 8, 6, 8, 8
15	46.5	9.9	29.764	49.7	47.3	84	29.762	49.2	46.9	85	39.8	53.3		0.5	0.1	4, 7, 8, 4, —
16	46.5	5.3	29.866	50.1	46.3	76	29.817	50.2	47.3	81	43.2	55.8	-015	0.1	0.0	— — 11, 4, 18
18	51.8	9.8	29.317	53.9	51.5	86	29.222	53.9	51.9	88	49.2	57.0		2.0	0.7	18, 22, 20, 20, 18
19	52.3	8.3	29.015	56.4	54.5	89	28.927	54.8	53.9	95	49.6	60.3		2.1	0.5	16, 17, 18, 16, 18
20	45.2	6.4	29.353	44.7	43.5	92	29.369	49.1	47.1	87	37.2	53.2	-150	2.2	0.5	20, 18, 20, 22, 18
21	43.6	4.0	29.406	43.6	42.6	93	29.548	45.5	43.1	84	34.0	50.0	-230	0.8	0.2	— 18, 20, 24, 20
22	50.8	9.8	29.496	52.6	51.3	92	29.356	52.0	50.5	91	36.2	55.5		8.9	2.9	20, 18, 20, 20, 18
23	44.4	7.7	29.208	49.7	47.7	87	29.176	44.2	42.3	87	44.0	49.8	-160	11.7	0.4	21, 20, 21, 20, 20
25	42.1	2.1	29.691	45.6	43.5	86	29.849	45.8	43.7	86	34.2	51.4	-065	1.7	0.2	20, 22, 24, 22, 24
26	45.0	9.7	30.012	42.8	42.1	94	29.922	51.3	49.9	91	28.9	52.9		1.2	0.3	28, 4, 18, 18, 18
27	50.2	4.4	29.813	55.3	54.2	93	29.933	51.0	49.2	89	48.8	57.2	-115	2.4	0.9	18, 18, 18, 18, 24
28	44.4	1.9	30.083	48.3	47.4	93	30.025	48.3	47.3	93	35.4	53.7		0.8	0.1	— 20, 20, 22, —
29	47.3	5.6	29.838	51.0	49.9	93	29.872	48.0	46.5	90	38.0	53.7		1.3	0.6	18, 20, 24, 24, 21
30	46.0	8.5	29.896	48.5	46.1	84	29.747	47.9	44.9	80	40.0	53.4		1.8	0.6	21, 18, 20, 20, —

* See Introduction for a description of the methods by which these means have been obtained.

† Spirits adjusted, a bubble being found near the top of tube.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstown Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstown Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h , 8 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
Nov. 1	51.9	9.0	29.853	55.2	53.3	88	29.796	53.6	50.2	80	45.7	58.0	-745	4.7	1.7	18, 19, 18, 16, 20
2	48.1	2.9	29.972	52.7	46.9	66	30.097	46.2	42.4	74	51.0	54.0		11.5	0.5	20, 24, 24, 18, 20
3	38.8	4.9	30.192	36.0	35.6	96	30.097	43.4	41.6	87	27.1	48.6		0.1	0.0	18, 24, 0, 24, 6
4	46.8	8.8	29.933	47.6	46.8	94	29.846	49.1	47.7	91	40.3	53.2		0.2	0.0	— 18, 18, —
5	47.0	8.6	29.667	47.7	46.4	91	29.506	47.6	44.7	81	39.7	56.3		1.1	0.2	— 6, 18, 16
6	52.4	8.4	29.600	54.0	51.5	85	29.538	53.0	51.2	89	43.9	56.9	-020	3.0	0.8	19, 20, 29, 19, 16
8	53.7	7.7	29.040	55.5	54.2	93	28.962	55.7	52.3	81	51.9	59.3	-210	11.4	1.4	17, 18, 16, 18, 16
9	46.3	2.6	29.424	49.8	46.0	76	29.724	47.4	43.3	73	45.4	50.9		10.7	1.0	19, 22, 28, 18, 20
10	50.2	9.8	29.732	52.0	48.1	76	29.631	51.6	48.7	82	34.0	53.9		11.0	4.0	18, 20, 20, 19, 18
11	42.6	9.9	29.852	44.3	44.0	97	29.851	43.0	42.7	98	42.0	45.1	-356	2.2	0.0	20, 20, — — 4
12	40.2	5.2	29.980	43.2	41.9	90	29.982	39.4	38.5	92	39.7	46.0	-240	1.5	0.2	2, 0, 0, 26, —
13	45.2	6.2	29.970	48.3	47.0	91	29.915	46.6	43.8	81	30.6	52.7		0.6	0.2	9, 18, 23, 18, 20
15	55.0	9.8	29.777	56.3	54.7	91	29.684	56.1	54.2	89	51.4	59.4	-088	3.2	1.1	20, 20, 18, 20, 20
16	39.4	1.0	29.872	42.9	39.1	72	29.849	40.1	35.9	68	36.8	45.0		3.6	0.5	22, 24, 24, 22, 18
17	36.0	1.6	29.994	37.3	35.4	84	30.130	36.6	33.1	71	33.0	40.9		5.6	1.8	28, 30, 29, 28, 28
18	36.0	5.8	30.193	33.0	30.1	76	30.100	38.0	35.3	78	26.9	41.9		0.9	0.1	22, 22, 24, 16, 18
19	44.7	7.6	30.040	46.1	44.2	87	30.006	46.3	44.6	88	37.0	50.1		2.5	0.5	20, 20, 20, 18, 18
20	44.7	8.6	29.894	46.6	44.3	84	29.757	45.9	43.6	84	38.9	48.1		1.5	0.4	19, 19, 18, 20, 18
22	41.2	10.0	29.271	42.0	40.3	88	29.123	41.9	39.0	79	40.0	45.0		4.3	0.7	20, 22, 17, 16, 16
23	39.0	2.2	29.184	40.7	38.3	82	29.244	37.9	36.9	92	36.0	44.8	-045	3.7	0.9	18, 18, 20, 20, 20
24	45.2	8.5	29.447	44.3	43.2	93	29.489	47.2	44.8	84	35.2	49.1	-472	3.0	0.9	22, 20, 18, 18, 18
25	50.5	10.0	29.449	50.1	48.0	87	29.280	53.0	51.2	89	39.0	55.0	-178	8.7	1.7	18, 16, 20, 20, 20
26	37.0	6.4	29.468	39.0	37.8	91	29.426	38.0	37.3	94	32.0	42.6	-138	1.6	0.1	20, 18, 22, 20, 26
27	30.6	10.0	29.207	31.4	31.4	100	29.147	31.3	31.4	100	28.2	34.8		0.1	0.0	— — — — —
29	36.5	2.9	28.998	37.5	36.3	90	29.166	35.4	33.9	88	29.3	41.9	-052	0.7	0.1	23, 25, 24, 20, 20
30	47.8	6.7	29.194	50.9	48.6	86	29.304	47.2	43.9	78	33.7	53.0		2.6	1.0	22, 20, 21, 24, 22
Dec. 1	42.2	6.1	29.796	41.8	36.9	64	29.802	42.0	39.5	81	32.0	45.6	-040	5.7	1.7	20, 22, 18, 20, 24
2	51.0	10.0	29.736	50.4	48.8	90	29.672	53.0	51.4	90	38.0	54.8		4.0	1.5	18, 20, 19, 18, 16
3	41.8	4.8	29.710	43.3	40.9	83	29.624	42.0	39.5	82	40.6	46.1		2.3	0.9	20, 20, 20, 20, 20
4	44.2	6.5	29.324	43.6	41.3	84	28.927	44.3	44.3	100	38.3	49.1	-024	8.5	2.0	20, 20, 19, 17, 20
6	36.8	8.4	28.242	38.0	37.3	95	28.061	38.4	38.1	98	30.5	39.7	-404	1.5	0.1	4, 2, 2, 2, 2
7	36.0	8.4	28.685	38.2	34.7	73	28.685	36.3	32.6	70	35.0	41.2	-342	9.5	2.4	31, 28, 30, 28, 28
8	29.9	2.9	29.212	31.0	29.4	89	29.278	30.5	29.9	95	26.2	35.3	-012	2.2	0.3	— 20, 21, 18, 22
9	48.8	8.6	28.831	50.9	49.7	93	28.850	52.8	50.9	88	26.0	54.8	-052	9.5	4.3	20, 20, 20, 18, 19
10	39.8	10.0	29.492	41.0	39.2	87	29.537	38.0	36.9	91	40.0	43.8		9.9	0.1	20, 16, 22, 20 —
11	37.5	6.5	29.256	40.2	40.3	100	29.409	35.0	34.3	94	34.2	42.6	-402	1.4	0.1	— 24, 19, 17, 18
13	45.5	6.8	29.620	47.2	45.5	89	29.655	45.2	44.0	92	40.0	50.8	-368	2.8	0.8	18, 18, 16, 15, 18
14	41.1	1.0	29.745	41.8	40.5	91	29.745	39.0	38.9	99	38.8	45.8		2.8	0.6	18, 22, 16, 14, 16
15	44.5	7.8	29.560	45.7	43.7	86	29.550	45.5	44.7	95	37.2	48.5		6.4	1.9	16, 14, 16, 14, 16
16	47.5	6.9	29.446	48.2	46.5	89	29.288	49.4	47.5	88	37.0	51.2		4.1	1.3	16, 16, 16, 16, 17
17	47.3	9.0	29.230	46.8	43.2	77	29.024	49.4	47.5	88	39.0	49.0		11.3	4.5	16, 18, 18, 14, 16
18	41.0	10.0	29.100	45.8	45.9	100	29.162	38.2	38.4	100	44.0	54.1	1.105 1.267	14.9	0.1	18, 28, 18, 18, 28
20	35.6	9.2	29.676	36.8	35.8	91	29.649	36.0	34.3	86	32.2	41.8		0.7	0.1	2, 8, 2, — —
21	34.8	9.9	29.524	36.5	34.3	82	29.466	35.5	33.3	82	30.2	38.0		0.6	0.2	8, 8, 12, 12, 4
22	32.4	10.0	29.666	33.3	32.0	89	29.775	32.8	32.0	92	32.0	34.2	-030	0.1	0.0	14, 2, 4, 2, —
23	33.7	10.0	29.667	33.4	33.3	99	29.532	35.0	33.9	91	31.3	37.1		0.2	0.0	0, 28, — — 12
24	33.3	10.0	29.843	33.2	32.1	90	29.947	34.4	33.6	93	27.0	35.5		0.8	0.0	2, 22, 28, — —
25	36.0	10.0	30.183	35.2	35.3	100	30.163	38.0	37.5	96	31.0	39.2		0.1	0.0	18, — 2, 20, —
27	27.5	5.8	30.115	28.8	28.4	96	30.088	27.1	27.4	100	23.8	40.5		0.5	0.0	— — 28, — —
28	27.1	3.3	30.126	27.3	26.7	94	30.053	26.1	26.9	100	24.2	31.8		0.1	0.0	— 22, 24, — —
29	33.0	10.0	29.680	34.7	33.0	85	29.448	32.0	30.5	87	22.2	36.2		2.7	1.0	16, 14, 14, 15, 17
30	33.1	7.4	29.578	35.1	32.9	81	29.687	31.8	31.3	96	31.2	37.2		1.9	0.0	24, 24, 20, — —
31	26.6	6.5	29.776	24.0	24.3	100	29.684	30.6	30.2	97	18.8	31.5		0.2	0.0	— 20, 22, — —

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^a .	5 ^a .
Jan. 1	31.8	9.9	29.606	32.2	31.7	96	29.573	32.8	31.5	89	26.2	34.0		1.2	0.6	16,	14
3	48.9	9.7	29.379	48.8	47.1	89	20.334	50.5	47.5	81	34.0	51.6		9.2	1.4	18,	16
4	44.0	3.0	29.585	45.8	44.5	91	29.472	43.7	41.8	86	41.6	47.3		9.6	1.5	16,	16
5	38.0	9.7	29.204	39.2	38.5	95	29.185	38.3	37.9	97	37.0	40.3		10.0	0.7	16,	18
6	27.3	0.5	29.618	27.8	27.6	98	29.606	28.3	28.4	100	23.5	32.5		0.3	0.0	24,	16
7	33.6	8.9	29.189	33.8	33.5	98	29.226	34.7	34.3	97	26.0	32.5		2.3	0.0	—	20
8	28.0	6.2	29.453	26.9	27.2	100	29.603	30.6	30.9	100	25.5	32.2		0.1	0.0	—	0
10	29.5	9.4	30.045	29.8	29.2	95	29.991	30.7	.....	.....	22.0	32.9		1.0	0.3	22,	18
11	30.7	4.0	30.248	29.8	29.7	99	30.292	33.0	32.0	91	25.4	36.0		1.7	0.1	24,	18
12	41.8	5.9	30.153	43.0	41.5	89	30.163	42.0	40.9	92	28.2	46.2		1.2	0.2	21,	26
13	38.3	6.0	30.229	41.8	41.0	94	30.204	37.2	36.9	97	36.6	46.6		0.8	0.0	24,	18
14	38.3	8.5	29.975	39.0	38.7	97	29.752	39.1	38.4	94	28.6	42.6		0.8	0.2	16,	16
15	33.0	2.2	29.766	33.0	30.8	82	29.731	34.4	33.1	88	28.8	39.9		2.6	0.1	17,	24
17	31.6	10.0	29.139	33.7	33.4	97	29.136	31.0	30.3	94	31.9	35.6	-438	12.2	0.1	16,	22
18	27.0	0.8	29.141	26.9	26.6	97	29.102	28.5	27.4	90	25.0	33.7		0.5	0.1	16,	17
19	27.7	4.7	29.387	30.5	30.4	99	29.481	26.3	27.2	100	22.8	36.0		1.1	0.0	4,	18
20	23.8	0.5	29.741	23.4	23.5	100	29.818	25.6	25.2	97	17.0	30.0		0.1	0.0	24,	28
21	28.8	9.0	30.033	28.7	28.2	96	30.007	30.3	30.0	97	19.2	33.0		0.1	0.0	15,	16
22	30.3	9.2	29.889	31.5	31.1	97	29.808	30.6	30.5	99	21.8	33.0		0.5	0.6	14,	16
24	27.6	6.7	30.367	25.9	25.9	100	30.361	30.8	30.8	100	21.2	33.2		.....	0.0	24,	2
25	22.7	1.7	30.384	21.7	22.0	100	30.311	25.1	25.4	100	18.2	30.1		.....	0.0	22,	16
26	32.8	8.4	30.147	33.0	31.8	90	30.069	34.0	32.3	85	18.2	36.6		.....	0.3	4,	8
27	32.2	7.0	30.081	34.2	34.3	100	30.076	31.7	31.4	97	28.2	36.2		.....	0.5	10,	12
28	24.6	8.5	29.775	27.1	25.9	88	29.612	23.6	23.5	99	.....	28.8		.....	2.0	8,	10
29	18.8	9.5	29.735	9.9	10.0	100	29.548	29.1	28.4	93	1.0	30.0		.....	0.3	20,	14
Feb. 1	26.7	0.5	29.050	27.1	27.6	100	29.137	27.7	26.6	89	15.2	32.4	-520	0.1	.....	10,	28
2	34.0	4.7	29.465	34.2	34.1	99	29.527	37.9	36.5	88	18.2	40.4		.....	0.6	22,	22
3	34.8	6.2	29.831	36.9	36.3	95	29.859	36.8	36.3	95	31.8	43.2		.....	0.2	—	20
4	39.5	10.0	29.806	40.0	38.9	92	29.659	43.1	41.3	87	34.2	44.7		.....	3.0	20,	20
5	44.8	10.0	29.540	46.5	45.6	93	29.529	47.2	47.0	98	42.0	50.0		14.2	2.0	22,	20
6	45.0	9.0	29.550	52.5	50.7	89	29.619	41.6	41.6	100	45.3	54.6	-042	2.9	1.0	20,	6
7	40.7	10.0	29.584	39.8	39.7	99	29.505	45.6	45.6	100	36.8	46.9	-828	0.4	0.0	30,	22
8	40.4	10.0	29.462	39.6	39.3	98	29.198	45.3	44.7	96	32.2	47.4	-176	2.0	0.7	—	18
9	41.8	9.7	28.438	45.0	44.3	95	28.316	42.6	42.0	96	42.5	52.0		2.3	0.1	24,	22
10	38.1	7.0	28.391	41.3	38.9	82	28.423	39.0	37.2	86	36.8	44.1	-540	3.0	1.1	18,	20
11	39.8	6.4	28.916	39.3	38.6	95	29.081	44.4	40.9	76	27.5	46.6		0.8	0.2	20,	22
12	40.3	9.4	29.378	39.5	38.3	91	29.173	45.2	44.2	93	31.0	46.2		8.8	3.9	18,	18
14	41.4	8.5	29.338	43.8	41.3	82	29.335	42.9	40.5	83	39.2	47.8	-186	8.5	2.0	18,	26
15	34.9	9.9	29.254	39.2	39.1	99	29.189	34.6	34.3	98	33.2	45.6		1.5	0.0	14,	18
16	35.2	10.0	29.513	37.5	34.9	79	29.698	36.9	35.9	91	31.6	39.0	-320	2.2	0.7	26,	30
17	32.7	4.6	30.195	32.6	31.8	93	30.221	36.9	35.1	85	27.2	37.3		1.2	0.1	28,	2
18	35.0	10.0	30.128	35.2	34.0	89	29.717	38.9	36.3	80	23.0	40.2		3.4	1.6	20,	18
19	41.9	8.5	29.309	44.6	41.9	81	29.205	43.3	40.9	83	34.8	46.3	-045	6.0	0.7	20,	18
21	35.7	9.0	29.466	37.5	34.3	74	29.343	38.0	36.3	86	29.8	42.3		1.6	0.3	25,	20
22	38.2	5.2	28.818	37.5	37.3	98	28.566	43.0	39.5	76	30.0	49.3	-196	4.5	1.6	16,	22
23	40.9	2.5	28.478	44.3	40.9	77	28.673	41.6	39.2	82	.....	46.9	-130	8.2	2.7	24,	26
24	32.1	10.0	28.877	36.0	34.9	91	28.851	32.2	32.5	100	.....	37.3		2.9	0.0	—	4
25	42.2	7.5	28.497	43.3	43.3	100	28.581	45.2	44.3	94	31.2	51.0	-810	1.7	0.4	19,	20
26	37.8	10.0	28.550	41.5	41.5	100	28.749	38.2	38.0	99	33.0	43.1	-070	1.3	0.6	4,	1
28	40.8	5.5	28.657	46.1	42.6	77	28.758	39.6	38.8	94	38.0	50.2	-302	5.7	1.1	22,	20
29	38.9	8.0	28.785	40.3	39.1	91	28.753	41.6	39.8	87	34.8	46.7	-135	3.0	0.6	18,	18

* See Introduction for a description of the methods by which these means have been obtained.

DAILY METEOROLOGICAL OBSERVATIONS DURING MARCH AND APRIL, 1848.

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Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
Mar. 1	36.0	10.0	28.563	40.0	38.9	90	28.639	38.7	37.9	94	32.2	42.0		1.7	0.6	1,	0
2	36.1	10.0	29.068	39.9	38.3	88	29.304	39.0	37.9	91	35.0	41.0		3.1	0.6	31,	31
3	36.0	2.5	29.803	39.3	36.6	79	29.830	39.3	36.4	77	34.1	43.0	.107	1.7	0.3	30,	28
4	36.9	10.0	29.854	38.2	36.3	84	29.750	42.3	39.5	80	24.5	46.7		0.6	0.0	20,	18
6	35.1	10.0	29.663	37.9	37.6	98	29.581	39.0	38.3	95	32.3	42.0		0.4	0.0	4,	12
7	37.9	10.0	29.723	39.8	39.3	96	29.820	42.6	40.9	87	35.8	46.2		0.4	0.1	15,	20
8	42.5	5.5	29.768	42.8	41.1	87	29.825	48.9	44.4	71	34.8	52.4	.485	4.4	1.1	20,	20
9	46.3	7.6	29.611	49.8	47.1	83	29.534	49.4	47.5	87	39.0	54.0		1.3	0.5	18,	19
10	37.3	3.0	28.996	38.8	38.6	99	29.001	42.4	40.7	88	30.0	47.4	.149	2.3	0.2	18,	20
11	35.2	10.0	28.326	41.5	39.9	88	28.286	35.6	35.8	100	31.8	43.0	.273	2.8	0.8	24,	26
13	37.4	4.0	29.179	39.7	39.3	97	29.300	41.7	37.0	66	32.0	43.7	.460	3.9	1.3	30,	1
14	38.9	9.4	29.606	40.5	38.3	83	29.640	43.9	39.0	66	23.8	47.3		1.2	0.3	16,	20
15	41.1	5.7	29.350	43.6	40.3	77	29.253	45.3	43.0	84	33.3	48.3		3.3	0.9	20,	17
16	38.8	10.0	29.536	43.8	40.7	78	29.529	40.5	39.2	90	32.0	46.3		3.8	1.2	2,	2
17	35.4	10.0	29.396	38.2	38.0	98	29.420	39.2	38.3	93	35.0	40.0		4.5	2.5	2,	2
18	37.3	8.0	29.338	41.0	39.3	88	29.196	40.2	39.0	91	36.0	45.7	.618	3.4	0.0	2,	12
20	37.0	8.5	28.632	39.7	37.5	83	28.601	40.9	37.5	75	38.8	46.2	.100	1.5	0.3	18,	16
21	33.9	10.0	28.832	35.3	35.0	98	28.944	39.2	37.5	87	26.0	44.6		0.2	0.0	—	12
22	38.7	9.5	29.294	39.5	36.9	80	29.249	44.6	40.2	70	25.6	49.3		1.0	0.5	22,	16
23	45.0	10.0	29.078	49.0	46.7	85	29.211	47.6	45.5	87	38.3	52.6	.528	2.5	0.8	20,	24
24	44.7	1.0	29.781	46.8	41.6	66	29.878	49.2	43.8	66	40.4	50.9		1.3	0.7	0,	1
25	43.0	9.7	29.947	43.7	41.1	81	29.824	49.0	45.0	74	35.3	52.5		0.4	0.0	—	12
27	40.1	5.5	29.542	40.3	39.4	93	29.500	46.5	42.7	75	27.8	49.1	.420	0.5	0.1	6,	7
28	40.8	9.8	29.429	43.1	43.0	99	29.518	45.2	43.5	88	40.5	48.4	.210	2.1	0.3	4,	17
29	42.7	7.0	29.603	44.0	42.1	86	29.518	48.1	42.3	63	32.5	53.0		1.4	0.4	16,	18
30	50.0	7.0	29.466	51.0	46.8	75	29.483	55.6	49.9	68	30.8	57.7		1.7	0.8	16,	22
31	47.7	3.1	29.735	51.0	46.0	70	29.750	51.0	48.1	82	40.2	53.3		0.4	0.2	20,	2
April 1	49.2	4.5	29.794	50.8	44.5	62	29.763	57.2	50.4	63	30.2	58.2		1.5	0.7	20,	18
3	56.4	5.5	29.718	59.6	55.0	76	29.672	62.9	56.9	70	47.0	65.6		2.0	0.4	20,	20
4	48.3	8.5	29.726	53.6	47.5	64	29.658	52.7	49.7	82	45.0	.....		3.6	2.1	20,	18
5	40.3	9.9	29.573	47.0	42.9	73	29.479	43.1	40.5	81	42.0	50.8	.005	4.6	1.0	25,	24
6	36.8	9.5	29.520	42.0	39.5	82	29.508	41.2	37.7	74	27.0	48.4		1.5	0.4	31,	0
7	34.6	7.5	29.429	38.2	35.0	75	29.320	40.6	36.5	70	26.0	47.6		1.1	0.1	0,	10
8	36.6	7.4	29.446	40.6	35.3	61	29.468	42.3	37.1	63	30.8	45.1	.084	2.2	1.1	4,	2
10	36.8	6.0	29.202	42.3	37.6	67	29.168	40.9	36.9	71	24.3	47.8		1.7	0.8	10,	8
11	38.1	6.5	29.447	39.0	36.3	79	29.426	46.8	38.3	46	24.5	50.3		1.3	0.2	24,	24
12	37.6	10.0	29.178	42.8	40.1	80	29.200	42.1	40.1	86	26.0	47.3		0.4	0.1	8,	4
13	41.3	6.0	29.427	43.2	37.3	59	29.421	49.0	40.5	48	29.8	51.0		0.7	0.2	30,	28
14	39.4	7.0	29.620	44.4	38.9	62	29.744	44.1	38.5	61	28.2	49.3		1.9	0.4	30,	1
15	40.7	9.9	29.732	46.0	41.1	67	29.658	45.1	40.9	71	21.5	49.7		1.3	0.6	14,	12
17	47.0	7.5	29.246	52.5	49.1	80	29.241	51.2	47.3	76	45.2	57.7		1.5	0.4	20,	20
18	47.2	9.9	29.284	52.0	47.1	71	29.175	52.1	46.6	68	39.0	57.6		1.5	0.6	6,	12
19	40.5	10.0	29.096	44.5	44.3	99	29.084	46.2	45.3	94	43.5	49.1	.372	1.8	0.2	4,	4
20	42.4	7.5	29.322	43.8	43.6	99	29.369	50.6	46.2	73	39.8	54.0	.065	0.7	0.3	8,	4
21	41.1	10.0	29.435	46.0	45.3	95	29.486	45.9	44.8	92	40.8	48.0		0.9	0.3	2,	2
22	41.1	10.0	29.567	46.3	46.0	98	29.596	45.5	44.8	95	42.7	49.8	.100	1.7	0.7	2,	2
24	41.2	8.0	29.762	46.0	41.8	72	29.751	46.1	41.9	72	40.8	50.0		2.2	0.5	3,	2
25	41.2	9.9	29.707	47.4	43.7	75	29.695	44.7	41.3	76	39.2	48.7		1.0	0.3	31,	4
26	37.1	6.5	29.704	42.3	37.8	67	29.684	41.6	39.2	82	31.8	46.3	.064	2.1	0.3	30,	0
27	41.4	8.2	29.550	43.8	38.5	64	29.424	48.7	42.0	58	27.2	50.5		3.0	1.0	20,	20
28	38.7	9.9	29.300	41.0	38.5	81	29.379	46.0	41.6	71	31.2	47.6	.248	2.1	0.4	26,	30
29	40.2	4.0	29.663	44.7	40.3	70	29.692	45.4	40.3	66	30.0	49.0	.090	2.4	0.7	23,	26

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
May 1	50.6	1.6	29.955	50.2	44.3	63	29.878	59.2	50.3	54	29.0	60.8		0.4	0.0	17,	20
2	51.9	7.5	29.885	53.4	47.3	61	29.833	58.6	51.1	60	31.0	62.0		0.6	0.2	18,	20
3	58.8	3.5	29.815	61.0	54.5	66	29.789	64.9	57.1	62	38.2	66.8		1.1	0.7	20,	20
4	62.6	0.7	29.912	64.5	59.4	74	29.895	69.0	57.8	51	38.0	70.0		0.8	0.3	17,	20
5	63.4	6.9	29.922	67.1	58.2	59	29.861	67.9	58.8	59	39.2	71.8		1.5	0.4	18,	18
6	53.2	1.5	29.876	54.7	49.0	67	29.810	59.9	53.0	66	43.2	62.7		1.0	0.5	26,	20
8	51.4	4.5	29.692	53.7	49.6	76	29.795	57.4	50.8	64	46.5	60.8	-0.40	3.5	0.8	20,	24
9	55.5	8.0	30.011	56.8	50.7	66	29.947	62.4	54.7	61	34.7	67.6		1.4	0.5	24,	20
10	59.7	2.7	30.021	60.3	55.2	73	30.011	67.4	58.6	59	36.0	69.6		1.1	0.4	22,	28
11	60.9	5.2	30.001	65.4	57.8	63	29.932	64.7	58.2	68	37.3	70.3		3.1	1.1	21,	18
12	57.3	9.9	29.878	60.0	56.4	80	29.897	62.8	58.2	76	51.7	66.2		1.4	0.8	20,	21
13	65.4	4.0	29.941	67.1	59.3	63	29.885	72.0	63.1	61	45.0	76.6		0.7	0.7	19,	20
15	57.1	10.0	29.604	64.0	59.9	80	29.447	58.5	55.7	84	34.8	64.7		1.9	1.3	22,	22
16	54.6	7.5	29.165	56.1	54.1	89	29.162	61.4	56.2	73	50.6	64.1		3.8	1.3	20,	20
17	54.4	8.4	29.088	56.9	54.9	89	29.057	60.2	53.6	66	47.1	66.8	-0.32	1.1	0.2	—	20
18	51.4	7.5	28.984	58.4	54.2	77	29.085	52.6	48.1	74	45.0	62.1	-0.53	2.1	1.0	20,	24
19	52.2	8.5	29.376	58.6	53.0	70	29.390	54.1	52.9	93	36.0	64.6		2.2	0.8	16,	12
20	54.1	9.9	29.671	59.1	55.2	79	29.789	57.4	54.2	82	44.0	63.0		1.1	0.2	26,	0
22	57.0	6.5	30.114	58.5	55.2	82	30.084	63.7	59.0	76	40.2	72.3	-0.30	0.7	0.2	4,	0
23	63.7	6.5	30.118	68.7	59.6	59	30.092	66.9	59.7	66	46.2	74.0		0.5	0.0	—	8
24	60.3	8.7	30.070	68.0	62.2	73	30.053	60.8	59.1	90	46.8	71.9		0.9	0.0	12,	18
25	54.7	8.5	30.071	58.8	56.2	86	29.973	58.9	56.5	86	41.8	66.5	-0.95	0.6	0.3	4,	4
26	49.8	10.0	29.913	54.1	52.7	91	29.874	53.8	53.2	96	45.2	60.9		0.5	0.1	2,	4
27	58.2	5.5	29.905	57.7	55.2	86	29.865	66.9	61.2	72	49.3	70.9		0.3	0.1	18,	8
29	55.8	10.0	29.731	62.8	63.1	100	29.710	57.0	56.0	94	46.0	66.5		0.6	0.0	4,	22
30	51.2	8.5	29.841	55.9	52.1	78	29.850	54.7	54.0	95	42.5	64.8		0.5	0.1	—	28
31	50.3	9.7	29.509	54.4	53.2	92	29.388	54.4	52.0	86	41.0	57.9	-0.40	2.1	0.5	18,	18
June 1	48.4	10.0	29.375	54.2	49.5	73	29.291	51.2	49.3	88	44.2	58.0	-0.60	3.2	0.6	26,	20
2	48.1	10.0	29.040	53.0	51.9	93	29.023	51.8	49.8	88	46.3	60.4	-0.96	0.5	0.1	20,	2
3	51.0	8.5	29.046	55.1	51.8	81	29.041	55.5	52.0	80	39.8	57.9	-1.00	1.8	0.4	2,	8
5	54.0	8.5	29.312	59.3	53.7	70	29.338	57.2	51.9	71	37.0	65.5	-0.387	0.4	0.2	22,	20
6	53.0	8.9	29.124	59.4	51.5	59	29.416	55.2	49.5	68	38.2	61.0		1.1	0.9	20,	20
7	49.3	9.0	29.393	54.2	50.3	78	29.404	53.1	48.7	74	45.0	60.7	-0.15	2.7	0.4	20,	24
8	51.4	9.9	29.406	56.9	50.3	64	29.393	54.6	50.0	74	40.2	63.9		1.0	0.3	19,	21
9	51.7	10.0	29.436	55.1	51.7	80	29.412	56.9	52.1	73	36.0	60.4	-0.191	1.3	0.4	18,	18
10	50.5	9.9	29.322	54.3	49.3	71	29.368	55.3	50.9	75	45.0	62.8	-0.145	0.7	0.2	30,	4
12	52.6	6.5	29.570	56.8	53.0	79	29.525	57.0	54.7	87	35.3	61.6	-0.355	0.6	0.3	2,	2
13	49.1	10.0	29.183	51.0	51.3	100	29.095	55.8	55.2	96	47.2	58.6	-0.590	0.6	0.3	2,	20
14	52.2	8.4	29.441	55.9	49.5	65	29.537	57.1	49.4	59	45.0	61.0	-0.270	4.8	1.8	20,	17
15	61.8	6.7	29.661	65.9	59.0	67	29.703	66.2	56.3	54	47.2	71.7	-0.024	2.1	0.4	15,	12
16	57.4	9.7	29.769	61.9	57.9	79	29.730	61.5	58.8	85	63.0	67.7		0.7	0.3	3,	4
17	52.9	10.0	29.598	58.5	56.4	88	29.649	55.9	56.0	100	52.0	60.4		0.4	0.2	5,	4
19	52.6	6.0	29.961	57.4	54.2	82	29.959	56.5	54.0	86	46.2	66.0	-0.618	1.0	0.2	12,	8
20	59.4	0.5	29.958	59.2	54.5	74	29.884	68.2	61.9	70	42.0	70.8		0.4	0.1	12,	4
21	66.0	4.0	29.826	69.8	62.3	66	29.797	70.8	64.4	71	47.0	75.4		0.6	0.2	10,	4
22	61.2	9.9	29.792	70.8	62.1	62	29.748	60.3	59.6	96	55.0	75.2		0.5	0.1	12,	2
23	52.5	9.9	29.706	58.6	55.2	81	29.635	55.0	51.6	80	50.2	63.0	-0.048	1.5	0.8	8,	6
24	52.3	9.5	29.384	57.9	52.6	71	29.325	55.1	54.4	96	60.7	62.7		1.6	0.8	6,	2
26	54.9	5.5	29.771	56.4	51.6	73	29.707	62.0	56.9	74	36.2	66.0		0.4	0.1	10,	2
27	56.1	9.7	29.408	59.1	56.4	85	29.287	61.8	58.0	81	50.5	67.0	-0.190	2.5	1.0	14,	22
28	57.8	7.0	29.289	60.8	55.8	74	29.321	63.4	56.4	66	52.8	66.7		3.5	1.8	22,	24
29	53.6	9.9	29.260	59.8	56.4	82	29.273	56.0	53.6	86	51.2	68.7		2.4	0.6	24,	30
30	48.6	9.9	29.228	56.9	53.3	80	29.252	49.0	48.0	94	47.3	62.1	-0.112	1.3	0.4	8,	4

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
July 1	48.4	7.0	29.424	53.8	46.5	59	29.437	51.0	47.3	77	44.0	59.8	-495	1.3	0.3	30,	22
3	54.1	5.5	29.449	55.9	50.0	67	29.469	60.3	51.2	54	39.8	63.0	-175	1.7	0.5	28,	26
4	54.2	5.5	29.681	56.2	49.5	63	29.773	60.3	52.0	57	37.0	63.6		1.7	0.9	27,	26
5	58.9	5.0	29.932	59.8	53.3	66	29.892	66.0	55.2	50	37.0	69.4		1.2	0.3	12,	22
6	59.5	10.0	29.776	64.0	60.3	81	29.774	64.0	59.6	82	49.0	68.8		1.2	0.3	22,	21
7	60.9	8.5	29.510	66.1	61.9	80	29.434	63.8	60.9	85	48.8	77.0		1.2	0.5	20,	20
8	54.4	9.0	29.449	56.4	52.9	80	29.474	60.4	54.9	71	50.2	65.5	-112	2.6	1.3	19,	20
10	56.0	8.7	29.886	62.3	56.4	70	30.024	57.8	53.3	75	46.0	66.1		0.6	0.3	0,	6
11	65.4	9.9	30.151	69.2	63.1	72	30.146	69.6	64.0	74	48.2	76.3		0.4	0.3	18,	22
12	70.4	4.2	30.236	72.2	64.4	66	30.223	76.6	67.1	61	51.2	78.8		0.7	0.5	20,	20
13	70.2	7.0	30.243	72.9	65.3	67	30.160	75.6	68.6	70	50.5	82.0		0.3	0.2	24,	28
14	56.0	9.9	30.150	62.0	57.7	78	30.117	58.0	54.9	83	53.0	68.3		0.5	0.2	6,	4
15	61.6	6.5	30.096	64.4	58.4	70	30.029	66.9	58.2	59	48.7	71.9		0.3	0.0	—	2
17	57.1	9.0	29.922	60.5	55.5	74	29.871	61.8	56.1	70	57.0	65.1		1.4	0.6	20,	24
18	57.2	8.9	29.725	61.0	55.2	70	29.618	61.4	56.8	76	48.0	65.2		1.5	0.4	24,	26
19	57.0	10.0	29.141	59.8	57.9	90	29.001	62.2	59.7	87	50.1	67.0	-275	2.5	1.0	22,	18
20	57.4	8.7	28.794	60.8	57.2	81	28.718	62.1	59.1	85	51.2	67.0	-253	2.5	1.3	19,	18
21	51.4	7.0	29.233	55.4	50.8	74	29.255	55.4	52.1	81	40.3	63.5	-040	4.3	1.4	20,	20
22	56.5	9.9	29.376	61.5	57.6	80	29.392	59.5	55.2	77	42.8	65.8	-085	2.1	0.8	20,	18
24	56.3	9.5	29.482	60.3	54.3	69	29.476	60.3	55.7	76	40.2	65.5	-022	2.4	0.9	23,	20
25	56.4	8.5	29.271	62.1	58.0	79	29.218	58.8	53.9	74	47.9	67.6		1.9	0.4	18,	22
26	57.1	7.0	29.332	60.6	54.2	67	29.292	61.6	55.3	68	44.0	68.9	-112	1.1	0.7	20,	18
27	54.9	5.5	29.240	58.4	52.5	69	29.344	59.4	53.0	66	48.8	64.0		5.1	2.7	20,	24
28	57.1	9.9	29.683	60.0	54.5	71	29.741	62.2	51.6	62	45.0	65.9		3.6	0.4	26,	22
29	56.6	6.2	29.860	59.0	54.4	75	29.802	62.2	57.6	76	36.0	66.8		0.8	0.3	12,	4
31	57.7	3.5	29.186	62.1	56.4	71	29.148	61.4	56.0	73	51.2	67.8	-220	1.8	0.3	20,	18
Aug. 1	56.0	9.9	29.063	62.6	51.4	47	29.137	59.3	56.7	86	41.0	.....		0.6	0.1	—	24
2	55.0	9.2	29.485	60.0	55.2	75	29.533	59.8	52.2	61	46.0	64.0	-125	2.0	0.7	26,	21
3	52.5	6.2	29.485	57.5	51.2	66	29.437	57.3	52.2	72	37.2	65.0	-026	1.2	0.4	20,	20
4	52.4	7.5	29.387	56.6	52.3	76	29.360	58.0	53.1	73	33.2	67.1	-292	0.7	0.2	6,	20
5	53.9	6.4	29.223	57.7	53.1	75	29.123	59.9	55.0	74	33.6	67.0	-443	0.5	0.2	4,	8
7	54.7	4.2	29.558	58.5	52.5	68	29.598	60.8	56.0	75	.....	64.2	-180	1.2	0.6	26,	20
8	53.0	9.9	29.620	62.3	56.4	70	29.586	53.5	52.3	92	37.2	66.0	-086	1.8	0.2	22,	16
9	51.4	9.9	29.530	58.8	54.2	75	29.549	53.9	52.3	90	40.9	63.2	-010 -162	0.3	0.2	5,	6
10	51.5	9.9	29.669	59.5	54.0	71	29.689	53.4	52.8	96	39.0	64.4	-270	0.4	0.0	25,	0
11	52.3	9.5	29.803	56.6	51.7	72	29.798	57.8	52.9	73	41.5	63.8		0.2	0.0	2,	10
12	55.6	3.2	29.780	57.7	52.5	71	29.734	63.4	55.7	63	38.0	67.3	-010	0.4	0.2	12,	26
14	49.6	3.0	29.824	54.2	48.3	66	29.756	54.8	48.3	63	26.8	58.0		1.4	0.6	8,	7
15	51.0	9.9	29.793	56.6	50.2	65	29.780	55.9	49.4	64	33.1	61.1		0.9	0.4	6,	8
16	53.3	9.9	29.687	58.7	53.1	70	29.656	57.8	53.8	78	38.0	64.2		0.5	0.1	6,	12
17	52.8	8.0	29.432	55.9	54.4	91	29.496	59.5	51.3	58	48.8	63.4	-110	1.4	0.3	20,	25
18	53.8	6.5	29.769	57.9	52.5	70	29.653	59.5	54.1	71	36.2	67.6		1.0	0.3	19,	10
19	53.1	6.0	29.202	58.2	53.5	75	29.274	57.8	52.5	72	48.2	63.2	-356	4.9	1.8	20,	21
21	47.0	10.0	29.232	54.4	51.1	81	29.052	49.5	48.9	96	39.2	59.0	-050	2.2	0.3	10,	3
22	47.6	9.9	29.156	51.4	50.5	94	29.157	53.7	51.0	84	44.2	57.0	-488	0.6	0.1	28,	26
23	47.8	7.5	29.384	48.5	47.0	90	29.435	57.0	51.3	69	40.8	59.0	-085	0.5	0.2	2,	24
24	51.1	6.2	29.621	56.1	51.8	76	29.668	56.0	51.9	77	35.0	60.0	-116	1.8	0.1	25,	18
25	52.4	4.0	29.762	55.4	51.3	77	29.714	59.3	53.2	68	29.2	63.8		0.6	0.2	16,	18
26	54.8	10.0	29.406	56.9	55.2	90	29.294	62.5	60.8	91	43.8	64.7	-095	1.2	0.7	16,	18
28	55.8	6.0	29.326	60.6	56.8	80	29.421	60.8	54.7	69	46.0	64.0	-287	3.1	1.4	20,	21
29	54.7	5.7	29.558	59.8	54.2	70	29.532	59.4	53.5	69	47.2	63.7	-010	4.3	1.4	18,	20
30	53.7	6.0	29.658	57.4	53.1	76	29.680	59.8	53.7	68	41.7	63.0	-022	3.2	1.0	22,	20
31	50.6	6.0	29.911	55.1	51.3	78	29.906	55.9	49.6	64	37.0	62.6		0.8	0.0	7,	4

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.				Thermo- meters.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
Sept. 1	52.2	9.9	29.926	57.1	53.1	77	29.918	57.4	54.2	82	31.2	63.3		0.8	0.5	24,	21
2	55.9	6.0	30.035	61.5	56.2	73	30.040	60.4	54.8	70	45.1	64.6		1.6	0.6	22,	22
4	57.5	0.6	29.821	59.6	54.4	72	29.755	65.5	56.9	59	46.7	66.7		1.6	0.7	20,	18
5	61.4	7.0	29.478	63.1	57.9	74	29.409	69.7	62.8	69	37.0	73.8		0.6	0.2	18,	16
6	54.4	9.0	29.334	59.5	56.0	81	29.453	59.3	54.8	76	49.0	64.2	126	3.8	2.2	18,	20
7	52.8	10.0	29.577	57.3	55.2	88	29.601	58.3	55.2	83	52.2	.....		2.9	1.5	20,	20
8	52.7	7.0	29.415	58.5	56.5	89	29.331	56.9	52.2	74	52.8	63.1	0.38	2.5	2.0	18,	18
9	51.0	8.4	29.433	54.1	50.1	77	29.380	58.0	53.6	76	45.0	59.9	0.35	3.0	1.2	20,	18
11	45.3	4.0	29.816	49.7	44.5	68	29.899	51.0	44.1	58	32.0	54.9	0.15	2.3	0.8	30,	30
12	44.6	4.0	30.084	47.0	41.6	64	30.093	52.3	45.3	59	31.0	55.0		0.9	0.1	30,	28
13	47.0	10.0	30.038	50.0	45.8	73	29.910	54.0	48.7	69	33.6	57.9		1.4	0.5	18,	20
14	50.7	5.5	30.005	55.7	48.8	61	30.031	55.8	50.0	67	37.3	59.4		1.2	0.2	28,	30
15	51.2	1.1	30.143	53.7	51.1	84	30.088	58.8	54.4	76	28.7	61.5		1.1	0.2	21,	18
16	56.4	9.0	30.081	61.8	59.1	86	30.062	61.1	56.5	76	51.2	67.0		2.1	0.4	19,	17
18	48.5	4.7	30.072	50.6	47.3	79	29.959	56.4	50.3	66	31.0	61.0		0.9	0.0	—	20
19	51.8	1.2	29.613	53.7	49.9	78	29.460	60.0	54.2	70	30.2	62.6		1.6	0.4	18,	18
20	52.0	8.0	29.384	60.2	53.6	66	29.429	53.9	53.3	96	42.0	66.1		1.4	0.7	18,	20
21	50.3	1.5	29.627	53.2	51.1	87	29.609	57.5	51.5	68	34.8	62.6	215	0.5	0.2	6,	8
22	53.0	9.7	29.629	57.2	54.6	85	29.633	58.8	56.9	89	43.0	65.0		0.4	0.1	2,	4
23	51.7	2.5	29.505	55.9	54.9	94	29.377	57.6	54.5	83	44.2	65.4		0.9	0.2	6,	12
25	47.7	9.9	29.421	52.2	51.9	98	29.418	53.2	50.3	82	49.1	56.0	415	4.7	0.6	6,	4
26	49.9	9.7	29.558	55.4	52.9	85	29.597	54.5	51.8	84	49.0	59.4		0.6	0.3	5,	4
27	46.4	10.0	29.691	51.2	49.0	86	29.698	51.6	48.0	78	48.2	54.0		0.8	0.4	2,	2
28	44.8	10.0	29.812	50.0	50.1	100	29.843	49.6	47.8	88	48.2	52.6		2.6	1.6	2,	2
29	47.0	10.0	29.666	50.3	48.6	89	29.596	53.8	52.6	92	44.8	54.8	113	2.3	0.4	1,	2
30	48.7	10.0	29.540	53.8	52.8	94	29.438	53.7	53.7	100	50.0	55.0	225	0.6	0.3	2,	2
Oct. 2	51.8	9.9	29.402	53.8	51.7	87	29.360	55.1	51.7	80	42.5	61.0	240	0.7	0.0	2,	14
3	53.2	1.7	29.397	56.1	51.8	76	29.417	55.5	50.7	73	46.2	61.8	083	0.5	0.5	16,	16
4	54.9	10.0	29.251	59.1	58.6	97	29.377	56.0	53.5	86	46.0	64.1		2.7	0.8	18,	20
5	57.5	9.9	29.642	60.8	58.2	86	29.661	59.5	59.2	98	51.0	64.0	416	1.4	0.5	20,	20
6	56.7	5.0	29.638	60.0	56.0	79	29.789	58.6	53.0	70	53.8	63.0		4.8	2.2	22,	20
7	56.0	4.2	29.819	55.4	53.3	88	29.800	61.9	58.9	84	39.8	65.4		0.4	0.1	—	22
9	51.7	9.8	29.502	55.0	50.5	75	29.345	53.6	50.7	83	45.6	57.3	045	2.3	0.6	18,	22
10	49.3	5.7	29.428	52.5	49.5	82	29.586	51.4	48.6	83	42.0	55.4		3.4	1.1	30,	0
11	47.5	9.4	29.772	50.7	46.7	75	29.772	49.5	45.7	76	44.0	53.5	075	1.1	0.2	0	30
12	45.9	10.0	29.837	48.0	45.8	85	29.773	49.0	46.3	82	38.0	53.6		0.4	0.1	4,	4
13	45.8	5.5	30.100	51.0	47.9	81	30.122	45.8	44.8	92	35.8	53.9	176	0.7	0.2	8,	4
14	46.5	5.7	30.141	50.2	45.3	69	30.095	48.0	44.1	74	41.0	54.0		1.4	0.7	2,	1
16	43.3	10.0	29.748	46.4	44.5	87	29.731	45.4	42.5	80	43.8	49.4	596	1.4	0.5	4,	1
17	36.2	4.5	29.850	41.0	36.3	65	29.807	36.6	32.3	66	36.5	42.7	134	3.5	1.5	31,	0
18	32.1	6.0	29.673	33.8	32.5	89	29.663	35.6	32.6	75	30.0	39.4	190	4.2	1.6	0,	0
19	35.0	5.0	29.744	39.0	38.0	92	29.772	36.2	34.5	85	30.0	43.0	284	3.9	0.1	7,	0
20	35.1	4.5	29.895	33.7	31.8	84	29.862	41.7	38.6	76	22.0	43.6		0.3	0.0	16,	8
21	40.6	8.4	29.747	40.7	39.1	88	29.678	45.8	44.1	88	27.2	50.0	056	0.2	0.0	16,	8
23	43.2	5.0	29.278	45.2	43.3	87	29.260	46.4	44.5	87	34.2	52.0		1.5	0.1	20,	14
24	44.9	5.0	28.961	48.0	44.8	79	29.093	47.0	44.9	86	37.1	52.0	580	2.4	0.4	20,	20
25	40.3	9.7	29.131	41.0	40.4	96	29.171	44.8	42.9	87	31.0	48.3		0.4	0.1	17,	26
26	44.1	8.5	29.510	45.7	44.3	90	29.526	47.7	45.3	84	30.1	53.2		1.0	0.1	17,	16
27	47.5	10.0	29.213	50.3	48.3	87	28.985	50.0	49.6	98	34.0	53.8	105	2.2	0.6	14,	2
28	45.5	6.0	29.006	49.0	45.8	80	29.017	47.1	43.5	77	35.0	52.5	122	1.7	0.4	16,	16
30	37.5	9.0	29.301	37.3	37.6	100	29.388	42.9	42.6	98	29.6	44.4		0.2	0.0	19,	6
31	37.9	10.0	29.414	41.3	41.3	100	29.424	39.7	39.4	98	39.5	42.8	470	1.2	0.5	1,	2

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
Nov. 1	39.5	9-9	29.393	40.0	39.3	95	29.345	41.0	37.4	74	38.0	46.2	.580	0.7	0.2	25,	20
2	42.5	7-9	29.465	43.5	40.9	81	29.419	43.6	40.8	80	31.7	49.6		0.4	0.2	24,	22
3	34.6	10-0	29.358	36.2	35.8	97	29.455	35.0	33.9	91	29.8	40.0	1.060	3.0	1.8	0,	0
4	30.7	5-5	29.499	31.0	30.7	97	29.511	32.4	32.3	99	27.2	36.4	.015	2.6	0.5	30,	2
6	43.1	4-5	29.208	45.8	41.9	74	29.090	42.5	38.9	74	35.0	49.2		1.9	0.8	20,	24
7	36.4	4.0	29.326	37.3	35.3	84	29.482	37.6	33.7	69	32.7	44.0		1.7	0.5	28,	30
8	34.7	9-2	29.877	36.2	33.1	74	29.870	35.2	31.9	74	28.0	38.1		0.6	0.2	30,	28
9	35.3	8-5	30.204	36.7	34.3	79	30.215	36.0	33.2	76	26.8	40.2		0.9	0.1	28,	30
10	38.1	7-5	30.248	37.8	36.5	89	30.283	40.4	38.9	88	24.2	45.0		0.4	0.0	24,	28
11	41.5	10-0	30.322	42.0	40.0	85	30.302	43.0	40.6	82	31.4	45.2		0.6	0.2	1,	30
13	39.4	8-5	30.263	37.2	35.3	84	30.154	43.6	41.4	84	22.0	44.4		0.7	0.1	23,	20
14	37.6	5-5	30.160	38.3	35.6	78	30.151	38.9	34.9	69	32.6	43.7		1.3	0.1	28,	24
15	35.6	5-0	30.258	36.2	35.6	95	30.161	37.0	34.9	82	28.6	41.8		0.4	0.1	20,	22
16	43.8	9-0	29.935	46.8	44.1	82	29.956	42.9	41.9	92	33.4	50.0		0.6	0.4	24,	4
17	44.3	5-0	29.513	47.2	42.5	69	29.393	43.5	39.9	75	34.0	49.1		2.9	1.1	28,	20
18	40.1	8-5	29.093	43.8	41.5	84	29.107	38.5	36.4	84	.....	45.2	.075	4.2	0.3	20,	20
20	49.8	10-0	29.002	50.8	49.3	91	28.755	50.8	48.9	89	34.0	52.0		10.2	6.8	20,	18
21	42.0	5-5	29.094	44.8	41.5	78	29.204	41.2	40.5	94	39.8	46.2	.248	9.7	1.9	19,	20
22	42.9	10-0	28.914	41.2	41.4	100	28.773	46.7	46.0	95	36.0	47.8	.452	1.1	0.4	4,	14
23	35.6	3-7	28.907	35.8	35.9	100	28.967	37.5	37.5	100	29.5	46.0	.153	1.9	0.1	28,	—
24	34.6	0-2	29.488	36.2	33.9	81	29.637	35.0	32.8	81	29.8	40.2		0.6	0.0	22,	—
25	38.8	10-0	29.687	38.8	36.5	82	29.475	40.8	40.0	94	24.8	41.2	.052	1.5	0.4	16,	16
27	46.0	5-7	29.487	47.2	44.4	82	29.645	46.8	43.5	78	42.0	50.0	.092	3.1	0.2	22,	24
28	48.2	8-2	29.443	47.7	47.5	98	29.289	50.7	48.3	85	41.6	54.2		3.9	2.4	20,	18
29	45.2	8-0	29.417	46.3	43.6	82	29.362	46.2	42.8	77	43.0	48.8		8.0	1.1	20,	20
30	39.2	8-0	29.462	40.8	38.3	81	29.473	39.7	36.8	78	37.2	42.8		2.2	0.6	25,	20
Dec. 1	41.5	6-5	29.307	36.0	35.4	95	29.017	48.2	46.7	90	31.4	42.0		1.7	0.4	16,	14
2	36.6	7-2	28.707	37.7	35.8	85	28.833	36.7	34.3	80	31.2	39.2	.058	5.2	1.6	20,	—
4	40.9	7-5	28.672	44.6	43.1	90	28.593	38.5	37.3	91	34.8	46.0	.280	3.2	0.2	18,	16
5	36.3	4-8	28.508	38.1	36.4	86	28.690	35.7	34.0	86	33.9	39.8	.285	4.3	0.3	28,	23
6	34.4	9-2	28.821	35.0	34.3	94	28.775	35.0	34.5	96	28.5	39.0		1.0	0.3	22,	4
7	33.1	9-5	29.191	33.3	32.4	92	29.276	34.2	33.5	94	27.9	36.8		0.5	0.0	26,	24
8	46.0	9-4	29.272	47.6	46.9	95	29.435	45.6	43.5	86	25.5	50.6	.360	3.2	0.8	18,	20
9	51.5	10-0	29.600	51.6	50.6	93	29.607	52.7	51.1	90	43.1	54.5	.223	5.5	1.2	18,	20
11	48.9	5-7	29.642	50.9	48.3	84	29.704	48.2	46.5	89	46.1	53.0	.015	4.5	0.8	20,	20
12	46.3	10-0	29.783	44.4	43.7	95	29.642	49.5	49.5	100	38.8	52.0		1.7	0.2	18,	18
13	50.5	6-0	29.477	50.9	50.7	99	29.507	51.2	49.1	87	49.0	54.6	.247	4.5	1.0	18,	18
14	46.8	6-2	29.380	49.3	46.2	80	29.249	45.5	43.9	89	47.0	50.2		2.3	1.0	17,	16
15	47.5	8-0	29.355	44.2	42.3	87	28.910	52.0	48.6	80	45.8	53.0		6.8	1.7	13,	18
16	37.3	5-5	29.490	38.8	36.8	84	29.637	37.0	35.3	86	34.9	41.8	.130	11.6	0.4	18,	15
18	36.2	6-5	29.520	36.0	34.6	88	29.469	37.7	36.6	91	34.0	39.2		2.8	0.4	16,	16
19	39.6	8-0	29.726	39.2	39.3	100	29.846	41.3	39.8	89	36.2	43.8		0.9	0.0	18,	16
20	37.6	9-9	30.116	39.8	38.6	90	30.160	36.7	35.0	85	37.8	40.5	.029	1.4	0.6	15,	14
21	27.8	0-2	30.240	29.1	28.5	95	30.212	27.8	27.8	100	25.9	31.5		1.2	0.0	—	—
22	21.6	0-0	30.310	20.6	20.6	100	30.316	23.8	24.3	100	16.0	29.0		1.8	.....	—	—
23	34.8	9-4	30.325	34.9	33.3	86	30.242	36.0	34.3	85	19.5	38.2		†	.....	14,	12
25	39.8	9-9	29.714	40.7	38.9	86	29.759	40.2	38.9	90	33.4	42.5		2.0	0.4	11,	12
26	45.1	6-5	29.496	44.5	43.4	92	29.344	47.0	46.3	95	38.6	48.5		6.3	2.9	16,	16
27	41.1	3-1	29.654	44.7	41.9	80	29.802	38.7	36.7	83	44.0	45.5		4.5	1.0	21,	18
28	26.6	0-1	29.996	27.4	27.3	99	30.014	27.0	27.3	100	22.1	31.9		0.5	0.0	16,	—
29	28.4	6-2	30.073	27.0	26.8	98	30.050	31.0	31.0	100	19.1	32.0		0.0	0.0	—	28†
30	33.1	10-0	30.014	33.6	32.5	90	29.974	33.8	32.3	86	25.0	35.2		0.2	0.0	4,	6

* See Introduction for a description of the methods by which these means have been obtained.

† Anemometer frozen.

‡ Found by observing smoke.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.					5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.	Max.		Mean.*	23 ^h .	5 ^h .	
Jan. 1	31.8	9.8	30.091	32.2	32.1	99	30.097	32.8	31.3	87	29.9	35.8		0.4	0.0	†24,	10	
2	22.8	2.0	29.964	25.8	26.1	100	29.793	21.2	20.7	94	19.9	27.0		1.8	0.6	16,	15	
3	14.1	0.0	29.668	13.3	13.4	100	29.635	16.3	16.6	100	8.2	20.8		†	.....	†20,	—
4	28.6	9.9	29.717	28.4	28.4	100	29.702	30.3	30.6	100	11.0	32.4		†	.....	20,	4
5	31.8	9.7	29.739	32.5	32.7	100	29.772	32.6	31.7	93	23.0	36.2		†	.....	4,	31
6	28.2	8.0	29.850	25.9	25.7	98	29.779	32.0	32.1	100	18.2	34.8		†	.....	—	20
8	34.8	10.0	29.315	35.2	34.5	94	29.281	35.8	35.5	97	26.2	37.2		†	0.1	17,	17	
9	35.9	1.0	29.231	38.0	36.9	91	29.208	35.2	34.5	94	32.4	41.2		†	0.1	22,	20	
10	38.9	10.0	28.313	41.0	40.5	96	28.488	38.2	37.0	91	30.7	46.0		†	0.2	18,	28	
11	31.3	10.0	29.349	32.0	31.9	99	29.668	32.0	31.3	94	31.6	34.0	-690	†	0.2	2,	—	
12	33.5	10.2	29.618	34.7	33.7	91	29.333	33.8	34.1	100	26.0	40.0		†	0.8	20,	18	
13	42.7	7.5	29.258	42.3	41.4	94	29.187	44.5	43.3	92	37.2	45.8	-053	0.5	0.6	20,	18	
15	42.2	9.7	29.446	42.2	40.1	84	29.451	43.6	40.3	77	33.3	46.0		3.0	1.1	20,	20	
16	41.0	9.9	29.543	42.4	40.9	89	29.406	41.0	40.1	93	37.9	45.2		3.3	0.4	22,	20	
17	42.1	8.5	29.225	45.0	41.8	78	29.464	40.6	37.5	77	37.8	45.8	-144	2.6	0.2	26,	20	
18	47.2	10.0	29.221	48.4	46.0	85	29.225	47.5	46.8	95	32.0	50.2		8.0	5.9	20,	18	
19	43.1	9.0	29.528	43.8	41.3	82	29.584	43.8	41.1	81	38.4	48.0		3.8	0.3	19,	18	
20	33.1	5.5	29.936	30.6	30.4	98	29.906	37.0	36.9	99	25.8	37.2	-072	0.4	0.1	20,	18	
22	43.9	8.0	29.402	41.0	38.0	77	29.487	48.3	46.8	90	33.5	44.5	-628	7.4	2.3	23,	20	
23	48.8	6.5	29.684	50.0	47.2	82	29.787	49.0	45.5	77	34.9	51.9		8.9	4.8	26,	20	
24	48.9	9.9	29.624	50.0	46.8	80	29.519	49.2	46.9	85	47.2	52.0		7.3	2.9	20,	22	
25	46.7	10.0	29.368	48.8	47.8	93	29.334	46.1	44.2	88	46.8	51.7		6.7	1.4	20,	20	
26	36.8	6.0	29.231	37.3	36.9	97	29.222	37.8	37.8	100	34.2	41.5	-342	4.7	2.5	20,	20	
27	34.9	10.0	29.568	33.8	33.6	98	29.378	37.5	36.7	93	28.8	39.3	-084	3.5	0.0	20,	14	
29	34.0	6.0	29.768	35.5	31.3	67	29.846	33.9	31.9	82	30.5	38.3	-700	4.5	0.2	1,	6	
30	39.3	9.7	29.546	35.4	34.3	91	29.347	44.6	43.6	93	27.0	47.2		2.8	0.7	18,	24	
31	38.1	1.1	29.795	39.7	36.3	74	29.893	38.0	35.5	80	32.1	43.0	-062	2.3	0.4	20,	18	
Feb. 1	30.2	9.7	29.928	29.6	29.4	98	29.967	34.9	34.0	92	24.0	37.4		0.3	0.0	—	—	
2	43.0	9.7	29.962	44.0	43.1	93	29.924	46.0	45.3	95	34.0	48.8		1.6	0.6	20,	22	
3	45.1	10.0	29.950	47.3	46.5	94	29.943	47.0	46.0	93	44.3	50.7	-010	2.3	0.5	21,	18	
5	45.5	10.0	30.102	46.6	44.3	84	30.094	48.5	46.5	87	43.8	52.1		1.8	0.3	18,	20	
6	42.8	9.7	30.090	45.7	43.1	82	30.042	44.0	42.3	88	40.6	46.7		2.4	0.7	22,	20	
7	43.7	9.7	29.980	45.8	43.5	84	29.842	45.5	42.5	79	40.0	49.0		2.3	0.7	24,	20	
8	40.2	2.7	29.580	44.2	43.3	94	29.680	40.2	37.1	76	42.5	45.8		6.5	0.4	24,	22	
9	40.5	9.0	30.000	42.3	40.6	87	29.776	42.7	41.3	89	32.2	45.1		3.8	1.5	20,	20	
10	43.9	5.1	29.821	47.2	42.5	69	29.973	44.7	41.2	75	42.0	49.8	-130	7.2	0.8	20,	18	
12	37.0	8.2	30.443	38.8	37.6	90	30.321	39.2	36.9	82	30.1	43.9		1.4	0.4	20,	18	
13	43.4	7.9	30.172	45.7	43.4	84	30.238	45.1	40.8	70	35.8	50.1		2.7	0.7	18,	24	
14	41.2	9.7	30.213	41.0	38.6	81	30.009	45.5	42.4	78	31.2	49.7		5.5	2.0	20,	20	
15	47.0	4.5	30.120	50.3	47.0	79	30.174	47.7	44.5	79	44.7	52.6		5.2	2.4	24,	20	
16	40.7	5.0	30.153	42.2	40.1	84	30.088	43.2	41.0	84	38.0	46.7		2.6	1.3	20,	18	
17	39.7	6.0	30.233	41.2	39.1	84	30.092	42.3	40.3	85	36.8	49.4		4.8	1.3	16,	20	
19	46.8	7.9	29.284	51.0	47.1	76	29.338	46.7	42.7	74	43.8	53.0		10.0	4.3	20,	26	
20	38.0	9.7	29.417	40.0	38.3	87	29.280	40.1	38.3	86	34.4	47.3		4.8	0.6	22,	24	
21	35.2	9.7	29.640	37.4	35.3	83	29.421	37.1	36.9	98	28.6	42.6		1.8	0.2	20,	18	
22	41.3	6.9	29.165	44.5	40.3	71	29.166	42.2	38.3	72	36.0	45.6		6.5	2.3	26,	28	
23	37.5	8.5	29.610	38.2	36.0	82	29.556	40.9	30.7	31	28.2	44.9		3.5	0.2	19,	22	
24	32.4	2.1	29.293	31.7	32.0	100	29.333	37.2	34.6	79	29.8	41.8	-585	2.0	0.6	22,	18	
26	33.1	0.6	29.496	33.8	32.1	85	29.579	36.4	32.7	70	25.0	38.9		0.9	0.2	28,	30	
27	33.0	8.5	29.760	31.8	32.1	100	29.671	38.3	35.4	77	19.8	43.3		1.1	0.2	20,	19	
28	35.1	6.0	29.847	37.2	37.3	100	29.809	37.0	32.7	65	31.3	42.0		4.8	1.8	20,	20	

* See Introduction for a description of the methods by which these means have been obtained.

† Anemometer frozen.

‡ Found by observing smoke.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makersstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makersstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky Clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
Mar. 1	36.1	6.5	29.411	39.2	34.8	66	29.469	39.7	37.9	86	31.8	44.2	-580	6.8	0.5	26,	20
2	42.4	6.7	29.610	45.4	41.7	74	29.707	46.0	42.3	75	37.6	50.4		3.9	1.6	20,	20
3	43.9	5.0	30.017	47.8	43.1	69	30.015	46.6	42.8	74	40.4	51.2		3.0	1.4	20,	22
5	42.3	9.6	30.077	46.2	41.9	71	30.160	45.1	39.4	61	41.5	49.9		3.7	1.0	23,	24
6	41.8	7.7	30.129	46.2	42.6	75	29.819	44.0	41.5	82	35.7	47.4		5.3	3.4	20,	20
7	38.6	6.5	29.411	42.0	39.3	81	29.424	41.9	37.0	65	41.0	49.3		8.9	1.4	24,	22
8	30.8	1.5	29.657	34.8	31.1	71	29.616	33.4	31.5	84	25.8	.....		3.1	0.7	30,	28
9	30.7	9.7	29.714	33.6	31.1	78	29.780	34.5	31.8	78	24.8	37.7		5.3	2.7	28,	30
10	35.0	5.0	30.130	35.3	31.5	70	30.083	41.4	37.0	67	23.8	43.0	-160	4.6	0.4	26,	26
12	47.9	5.9	29.748	50.8	47.0	77	29.875	51.7	47.2	73	42.0	53.8		4.6	0.3	24,	24
13	36.3	10.0	29.917	39.7	39.3	97	30.041	39.6	36.9	79	39.0	42.8		2.2	0.2	3,	4
14	45.1	10.0	29.982	46.0	43.0	79	29.983	50.9	48.4	84	36.0	53.9		0.4	0.0	24,	24
15	51.7	9.8	30.056	56.1	52.5	79	30.053	53.9	49.8	76	44.5	59.1		0.7	0.1	24,	24
16	48.3	2.0	30.111	47.7	44.6	79	30.065	55.5	49.9	68	30.0	56.3		0.3	0.0	—	18
17	44.7	7.5	30.059	49.5	46.1	78	30.005	46.5	44.2	84	30.7	54.4	-017	1.0	0.1	20,	18
19	43.8	5.5	29.789	41.2	40.8	97	29.736	53.1	48.9	75	32.8	53.6		0.1	0.0	16,	—
20	45.6	10.0	29.918	47.8	45.1	82	29.929	50.0	46.3	77	29.8	54.5		0.4	0.1	20,	18
21	48.9	9.9	30.055	50.7	47.5	80	30.011	53.7	47.7	65	33.0	59.2		0.3	0.0	—	—
22	39.0	10.0	29.986	42.7	42.0	94	29.933	42.0	41.5	96	28.8	49.0		9.3	0.0	20,	4
23	36.1	10.0	29.962	39.2	38.8	97	29.907	39.7	38.5	90	34.0	42.8		0.2	0.0	8,	2
24	35.3	10.0	29.888	39.3	37.3	84	29.888	38.0	34.9	75	34.8	45.4	-020	0.3	0.1	8,	12
26	41.5	5.1	29.768	43.8	39.5	70	29.692	45.8	40.3	63	35.2	49.5	-027	0.4	0.0	28,	—
27	36.9	9.0	29.287	41.2	36.5	66	29.248	39.2	37.3	85	30.0	46.6		1.3	0.5	12,	12
28	34.6	10.0	29.344	38.3	38.3	100	29.388	37.4	36.9	96	35.8	40.2		3.0	2.0	4,	4
29	32.3	10.0	29.301	37.0	36.3	94	29.183	34.3	33.9	97	32.8	39.1		2.3	0.6	4,	3
30	39.7	8.7	29.135	44.0	41.8	85	29.126	42.1	40.0	85	31.8	46.0	-690	1.5	0.6	10,	8
31	43.6	9.9	29.254	43.8	42.1	88	29.232	50.0	46.0	75	36.6	56.6	-015	1.6	0.4	16,	16
April 2	44.6	4.0	29.169	49.2	44.5	70	29.176	49.7	45.2	72	40.0	54.4	-130	1.8	0.3	16,	12
3	40.1	10.0	29.361	44.3	44.1	99	29.379	45.6	44.2	90	40.8	47.5		1.0	0.2	8,	12
4	39.3	10.0	29.408	42.2	41.1	91	29.353	46.1	43.3	82	35.2	51.1		0.7	0.4	2,	10
5	37.3	10.0	29.368	42.2	40.3	86	29.318	42.0	41.2	94	33.2	43.3		1.7	0.5	7,	6
6	47.5	2.5	29.283	50.8	44.5	62	29.250	53.9	46.1	56	37.2	57.1	-070	1.7	1.2	14,	14
7	39.4	10.0	29.303	47.2	45.5	89	29.353	41.3	40.4	93	40.2	47.7	-095	2.0	1.0	8,	6
9	33.1	10.0	29.594	38.8	37.6	90	29.643	37.0	35.4	87	37.5	42.0	1.050	2.6	0.7	4,	4
10	35.5	9.9	29.686	41.0	37.1	71	29.710	39.7	36.8	77	34.0	43.1		1.9	1.0	4,	3
11	35.2	8.5	29.652	38.5	36.8	86	29.655	41.6	37.0	66	32.0	44.2		2.3	0.8	2,	2
12	38.2	10.0	29.434	44.2	39.3	67	29.213	41.9	39.3	81	32.0	47.6		3.0	0.9	20,	20
13	38.3	8.0	29.027	43.0	39.5	76	29.017	43.3	40.2	78	25.0	49.1	-120	1.7	0.1	18,	4
14	36.6	10.0	29.242	41.4	41.4	100	29.376	41.4	39.9	89	31.2	43.4	-548	4.1	1.9	6,	6
16	35.6	9.9	29.475	47.8	42.8	68	29.478	33.0	32.3	94	29.8	51.4		3.2	0.7	26,	2
17	27.5	7.5	29.538	32.7	28.8	68	29.543	32.0	31.3	94	22.0	35.2		3.9	1.6	28,	30
18	33.3	10.0	29.594	37.2	33.6	71	29.366	39.0	35.2	71	27.2	43.6		5.1	0.1	28,	18
19	32.8	9.0	29.411	36.3	33.5	77	29.447	38.9	36.4	80	29.8	44.8	-295	3.0	1.0	0,	2
20	33.5	8.0	29.597	37.7	34.1	74	29.615	39.0	34.9	69	29.7	42.0		3.0	1.3	0,	27
21	35.7	5.0	29.658	39.0	34.5	65	29.510	42.1	37.4	67	19.8	48.8		0.4	0.1	12,	8
23	39.8	10.0	29.399	44.5	43.1	90	29.419	44.8	42.4	83	34.5	51.7	-150	0.0	0.0	24,	6
24	44.4	8.5	29.457	47.8	44.5	78	29.411	50.7	45.0	66	37.2	55.1		0.8	0.2	20,	18
25	45.7	6.7	29.398	49.3	44.8	72	29.407	41.7	.....	.....	36.8	53.5		1.7	0.8	23,	20
26	43.3	6.5	29.425	51.0	45.1	65	29.432	45.2	42.6	82	35.7	54.4	-022	1.9	1.6	20,	22
27	46.5	9.0	29.406	50.3	45.6	71	29.287	42.3	.....	.....	32.5	56.4		2.4	1.0	18,	16
28	48.1	5.5	29.387	51.2	45.3	65	29.477	54.7	48.2	63	35.9	58.8		2.5	0.2	20,	20
30	56.0	1.9	30.066	60.6	53.3	62	30.047	61.1	53.2	60	45.8	64.9		1.7	1.2	16,	12

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^a .	5 ^a .
May 1	44.9	6.0	30.088	45.0	44.0	92	29.986	53.0	49.3	78	29.0	53.9		1.7	0.4	12,	2
2	44.9	10.0	29.889	48.3	45.3	80	29.858	49.7	47.7	86	38.0	55.0	-025	0.3	0.2	6,	6
3	48.9	1.0	29.882	52.2	49.5	83	29.858	53.8	47.3	62	41.0	48.0		1.5	0.5	7,	4
4	52.6	3.0	29.847	56.9	51.8	71	29.809	56.5	51.3	71	31.2	61.0		1.4	0.7	2,	5
5	41.6	8.5	29.845	45.5	42.3	78	29.822	46.0	42.1	73	40.2	50.0		1.7	1.1	0,	2
7	43.6	8.0	29.960	48.0	46.5	90	29.975	47.5	43.3	72	35.2	51.9		1.9	0.5	6,	2
8	42.2	1.5	30.043	44.8	44.3	96	29.997	47.9	41.1	56	37.3	.....		1.4	0.6	3,	6
9	42.4	8.4	29.870	46.2	41.6	69	29.824	46.9	41.3	63	38.8	50.6	-035	0.9	0.4	0,	4
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.1	50.0	.....	.....	.....	.....	.....
11	41.9	10.0	29.803	45.0	40.8	71	29.842	47.0	40.6	58	39.5	51.5		0.8	0.2	5,	2
12	47.1	9.5	29.983	50.8	44.0	58	29.932	51.6	45.6	64	40.2	59.1	-005	0.3	0.2	28,	8
14	47.3	10.0	29.350	50.2	50.3	100	29.222	52.6	51.2	92	46.2	57.6	-958	0.9	0.0	3,	4
15	46.8	10.0	29.235	50.2	48.9	92	29.264	51.7	50.0	90	45.7	54.1	-160	0.0	0.0	2,	7
16	49.6	10.0	29.130	54.5	50.9	79	29.062	52.9	52.1	95	42.5	56.4	-188	0.6	0.1	12,	8
17	51.7	8.5	28.914	55.7	54.1	91	28.913	55.9	53.4	86	42.8	59.6	-190	0.3	0.0	—	4
18	51.2	9.0	29.129	55.9	51.3	75	29.304	54.8	49.0	67	44.8	61.8	-087	0.8	0.1	—	29
19	46.3	9.7	29.721	51.0	44.0	58	29.762	49.8	44.7	68	38.8	56.4		1.0	0.1	0,	6
21	59.6	8.4	29.554	61.6	56.2	72	29.528	65.8	56.2	56	43.0	68.1	-818	0.7	0.4	18,	16
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.6	62.0		.....	.....	.....	.....
23	54.5	8.0	29.636	56.2	50.4	68	29.696	61.0	53.3	61	47.0	63.6	-278	2.2	0.7	21,	24
24	58.5	10.0	29.868	62.8	55.2	62	29.764	62.4	53.3	55	38.5	67.5		1.6	0.9	18,	18
25	53.9	6.0	29.616	56.7	52.1	75	29.624	59.4	52.1	62	47.0	63.6		2.0	0.5	18,	22
26	53.6	7.4	29.572	54.6	52.0	85	29.649	60.9	52.0	55	47.0	63.7	-040	1.8	0.2	20,	22
28	58.8	3.2	30.038	59.6	52.3	62	30.020	66.3	57.3	58	35.0	69.0		1.2	0.2	10,	12
29	57.1	8.5	29.974	60.0	51.8	57	29.883	62.4	53.6	56	.....	68.3		0.9	0.5	21,	20
30	55.9	3.7	29.874	58.2	51.6	64	29.868	61.8	55.4	67	49.1	64.9		1.0	0.4	18,	19
31	56.7	6.5	29.718	59.5	53.7	69	29.602	62.2	55.3	66	39.6	65.5		1.0	0.3	23,	20
June 1	53.5	2.0	29.726	56.8	47.5	50	29.783	58.9	52.0	63	47.5	64.0	-047	2.6	1.2	21,	20
2	53.4	9.4	29.810	60.5	52.7	60	29.861	55.5	50.9	74	46.0	63.2		2.0	0.9	18,	18
4	62.4	2.6	29.878	64.3	56.4	61	29.775	69.2	55.9	43	38.2	71.5		1.2	0.4	18,	22
5	52.6	10.0	29.696	63.6	56.4	65	29.607	50.2	49.5	95	46.2	73.1		0.6	0.0	6,	4
6	55.2	2.2	29.906	56.6	49.5	61	29.926	62.4	52.1	50	43.3	65.2		0.7	0.3	26,	25
7	56.4	0.0	29.972	57.7	49.5	56	29.911	63.8	53.5	51	33.6	64.9	-200	1.1	0.2	29,	22
8	45.5	6.0	29.901	46.0	45.0	93	29.856	53.7	48.1	67	37.0	56.4		0.5	0.2	3,	3
9	50.3	4.0	29.725	52.3	45.8	62	29.600	56.9	48.8	57	30.5	60.3		0.6	0.5	2,	30
11	45.7	9.9	29.662	53.0	46.6	63	29.632	47.0	45.3	88	34.0	58.7		2.6	0.1	24,	0
12	46.4	3.5	29.674	48.0	41.3	57	29.673	53.5	45.2	53	35.7	57.8		0.4	0.1	28,	29
13	50.9	6.0	29.877	51.4	44.1	56	29.854	59.0	49.6	51	36.5	62.6	-495	0.4	0.0	28,	24
14	52.1	2.1	29.873	54.6	46.1	52	29.837	58.2	50.3	58	33.1	64.0		0.4	0.0	24,	28
15	51.6	10.0	29.790	56.9	50.9	67	29.735	54.9	52.3	84	35.2	62.6		0.4	0.1	8,	28
16	53.4	9.0	29.681	60.0	55.2	75	29.666	55.4	51.1	76	35.3	66.5	-773	0.9	0.0	—	10
18	53.4	10.0	29.737	59.6	52.3	62	29.678	55.8	51.2	74	44.4	62.1		1.1	0.5	20,	20
19	49.7	10.0	29.274	54.8	53.3	91	29.424	53.2	50.1	81	46.8	60.9		2.7	0.6	22,	30
20	50.5	5.0	29.836	53.7	47.4	63	29.776	56.0	50.4	69	32.7	62.4	-272	2.7	0.7	22,	18
21	53.4	6.0	29.665	55.9	49.6	65	29.712	59.6	52.9	65	49.5	60.7		3.4	1.6	22,	24
22	50.2	10.0	29.825	57.1	50.6	64	29.701	52.0	50.8	92	45.2	61.7		2.7	0.5	20,	22
23	55.1	7.4	29.552	58.1	52.1	68	29.553	60.7	51.6	54	49.0	62.1	-200	2.7	0.8	24,	22
25	57.4	10.0	29.661	62.5	57.5	75	29.595	61.0	57.0	79	43.9	72.6		0.4	0.0	18,	20
26	57.5	7.0	29.596	62.1	56.2	70	29.628	61.6	55.9	71	40.8	66.7		1.7	0.7	24,	20
27	53.2	6.7	29.581	56.4	49.7	63	29.545	58.7	52.1	65	50.8	61.9		3.0	1.5	26,	22
28	51.9	5.7	29.786	53.7	48.1	68	29.830	58.8	51.0	59	45.7	63.0		3.0	0.1	—	6
29	50.9	10.0	29.776	59.4	53.9	70	29.725	51.1	50.1	94	36.5	67.2	-247	0.4	0.0	27,	6
30	52.9	5.9	29.922	53.0	46.6	62	29.907	61.5	54.1	62	39.8	62.1	-192	0.3	0.0	3,	22

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.					5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.	Max.		Mean.*	23 ^h .	5 ^h .	
July 2	53.8	7.0	29.605	57.3	51.8	70	29.632	58.4	51.6	64	46.2	63.2			2.3	0.7	24,	22
3	54.3	8.5	29.080	57.2	54.9	87	29.122	59.4	54.1	72	49.9	63.4	-332		3.2	1.1	20,	21
4	50.3	9.0	29.326	56.0	50.4	69	29.363	52.7	51.0	89	46.3	63.0			3.4	0.1	26,	10
5	53.9	8.0	29.560	58.0	51.1	63	29.609	57.9	52.7	72	40.7	63.3	-160		1.7	0.1	26,	26
6	54.9	10.0	29.676	58.0	53.3	74	29.646	59.8	57.7	89	42.6	66.6			5.0	1.2	18,	18
7	58.1	9.0	29.619	59.8	58.8	94	29.593	64.5	60.7	81	55.4	72.4	-120		2.7	0.8	19,	19
9	57.5	5.0	29.979	59.5	52.0	61	30.034	63.5	54.2	55	45.4	65.2	-080		2.5	0.4	22,	24
10	63.3	6.0	30.098	65.1	57.8	65	30.072	69.6	61.6	64	48.5	73.9			0.8	0.6	20,	22
11	65.0	8.2	30.154	69.0	62.1	68	30.121	69.0	62.4	70	51.7	77.4			0.9	0.0	18,	2
12	57.0	5.2	30.202	59.6	57.1	86	30.170	62.5	57.2	73	44.5	67.1			0.5	0.2	4,	6
13	56.2	4.5	30.134	60.3	56.8	81	30.095	60.1	56.5	81	50.7	63.2			0.5	0.2	4,	6
14	56.9	0.5	30.069	57.4	54.3	82	30.008	64.4	58.2	69	50.0	67.2			0.6	0.1	6,	8
16	64.9	3.5	29.887	65.2	59.5	72	29.724	72.6	62.1	56	40.0	74.5			0.6	0.1	14,	23
17	57.7	7.5	29.482	60.6	54.0	66	29.494	62.8	53.4	55	52.3	66.7	-210		1.8	1.0	28,	24
18	48.9	10.0	29.337	52.8	51.3	91	29.232	53.0	52.6	97	45.3	64.5	-122		0.9	0.0	18,	10
19	55.3	7.5	29.212	59.2	52.7	66	29.229	59.4	53.6	69	46.7	65.6			0.8	0.1	22,	20
20	56.9	8.0	29.326	60.2	53.9	67	29.351	61.7	55.4	68	44.2	68.3	-500		0.3	0.0	23,	8
21	55.5	9.0	29.583	55.6	54.3	92	29.604	63.5	55.2	60	48.1	67.3	-088		0.0	0.0	10,	25
23	51.8	10.0	29.341	57.1	54.5	86	29.267	54.6	53.5	94	52.7	66.6			1.4	0.0	20,	20
24	55.2	8.0	29.244	60.4	54.2	68	29.184	58.1	52.1	68	39.7	65.0	-405		1.0	0.2	8,	8
25	55.9	8.0	29.139	57.0	53.3	79	29.146	62.8	55.8	66	42.7	66.1			0.9	0.0	2,	8
26	54.3	9.7	29.250	59.4	54.2	73	29.319	57.3	54.0	82	46.8	68.7	-023		0.2	0.1	3,	8
27	56.6	8.2	29.588	60.6	53.6	64	29.608	60.7	55.0	70	41.0	66.8			0.6	0.1	26,	22
28	56.9	8.5	29.658	62.5	56.2	69	29.545	59.4	55.9	81	39.4	68.9	-053		1.6	0.5	20,	16
30	53.6	6.5	29.234	58.4	55.3	83	29.211	56.9	53.5	81	45.3	64.0			1.7	0.3	19,	22
Aug. 1	52.1	8.7	29.450	57.9	52.5	71	29.354	54.3	51.9	85	47.6	66.0			1.9	0.4	0,	24
2	54.4	5.2	29.793	59.2	53.5	70	29.837	59.4	54.4	73	44.0	68.2	-290		0.9	0.3	27,	7
3	52.0	9.5	29.878	58.9	53.9	73	29.846	55.0	51.5	79	42.9	63.8			0.6	0.2	8,	2
4	49.9	7.0	29.846	54.7	48.8	66	29.848	54.9	49.1	67	45.9	58.7			0.7	0.3	0,	1
5	51.0	9.9	29.788	53.9	50.3	78	29.760	57.9	52.2	69	39.0	64.4			0.5	0.0	30,	6
6	56.9	5.0	29.836	60.2	57.4	84	29.819	63.5	60.3	83	.....	72.5			0.4	0.0	4,	2
7	55.3	10.0	29.802	57.9	56.6	92	29.723	62.5	60.8	91	48.6	69.7			0.1	0.0	3,	12
8	64.8	3.7	29.626	67.6	64.2	83	29.590	71.8	65.4	71	53.0	75.0	-190		0.4	0.0	24,	24
9	63.6	8.4	29.512	70.8	64.7	73	29.467	66.3	63.1	84	46.7	74.6			0.3	0.0	24,	—
10	58.9	9.9	29.499	62.8	61.4	93	29.524	64.8	63.1	91	51.3	69.6			0.0	0.0	0,	6
11	59.9	8.2	29.521	59.7	59.2	97	29.473	70.0	66.4	83	51.7	74.0	-500		0.7	0.3	8,	20
13	54.1	9.9	29.006	58.3	57.0	93	28.960	59.9	57.5	87	50.0	65.0	-330		4.4	1.7	20,	18
14	54.2	6.5	29.130	59.0	55.9	83	29.241	59.2	52.8	66	51.9	62.9			3.6	2.0	21,	22
15	51.3	7.5	29.383	56.0	52.4	80	29.414	56.4	52.4	77	42.7	63.7			3.1	0.6	22,	22
16	50.8	9.5	29.322	57.0	52.4	75	29.357	54.5	51.1	80	46.0	61.9	-232		1.4	0.3	20,	28
17	50.8	7.5	29.564	56.4	51.3	72	29.667	55.1	51.3	78	37.8	62.5			0.8	0.1	28,	3
18	50.3	7.0	29.759	55.2	50.1	71	29.740	55.2	51.3	77	42.7	63.0	-370		1.5	0.4	22,	30
20	55.8	10.0	29.987	59.9	56.7	82	29.981	61.5	58.4	83	51.6	66.0			1.7	0.6	16,	22
21	60.0	10.0	29.994	64.8	62.2	87	29.947	65.0	61.6	83	51.4	73.0			1.4	0.1	20,	18
22	57.0	8.0	29.817	62.9	58.1	75	29.793	61.0	58.4	86	50.3	69.3	-015		2.4	1.1	20,	26
23	52.8	8.9	29.924	57.9	52.3	69	29.919	57.6	53.2	76	40.1	63.3			0.6	0.0	24,	20
24	54.8	8.9	29.960	60.2	54.5	69	29.900	59.2	53.3	68	31.8	65.8			0.1	0.0	28,	20
25	57.5	10.0	29.765	62.4	58.3	79	29.773	62.5	58.5	79	46.3	67.7			0.9	0.1	22,	24
27	53.5	6.4	29.588	57.9	53.2	74	29.630	59.0	53.5	71	44.8	63.1			2.7	0.6	24,	20
28	54.8	9.0	29.635	58.9	53.6	71	29.596	60.5	58.0	86	37.1	62.5			0.9	0.3	21,	21
29	63.2	6.0	29.639	67.0	62.8	80	29.655	69.3	64.1	76	51.4	73.6			0.8	0.1	24,	25
30	55.6	10.0	29.620	61.1	59.8	93	29.561	59.9	59.0	95	51.8	65.7			0.1	0.1	18,	16
31	55.7	8.9	29.613	63.2	59.1	80	29.643	58.1	56.8	93	46.9	67.2	-822		0.4	0.0	26,	2

* See Introduction for a description of the methods by which these means have been obtained.

† July 21—New silk put on wet bulb thermometer.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	23 ^h .	5 ^h .
Sept. 1	58.9	8.5	29.630	65.1	59.8	74	29.601	62.7	59.2	82	48.3	70.8		0.6	0.1	12,	8
3	61.2	2.5	29.743	62.9	61.4	92	29.800	69.5	63.5	72	42.1	72.4	194	0.5	0.0	0,	14
4	52.9	10.0	30.042	56.7	56.2	97	30.052	59.1	57.7	92	44.3	62.8		0.1	0.0	2,	6
5	57.7	8.5	30.082	59.4	56.8	85	30.029	66.1	59.8	70	49.4	67.6		0.1	0.0	14,	—
6	48.7	10.0	30.070	54.5	54.3	98	30.078	53.0	50.1	82	42.5	56.9	020	0.6	0.2	2,	2
7	48.0	5.1	30.124	53.8	49.6	75	30.103	52.2	48.5	77	37.4	58.3		0.7	0.2	4,	2
8	52.4	1.0	29.982	54.1	51.3	83	29.464	60.8	56.4	77	28.1	64.2		0.8	0.2	18,	20
10	46.8	10.0	29.155	52.4	51.3	93	29.099	51.2	51.2	100	39.2	54.8		0.8	0.0	6,	4
11	45.8	10.0	28.856	51.9	51.2	95	28.825	49.8	49.8	100	40.4	54.8		0.2	0.0	2,	—
12	51.2	4.0	28.826	54.1	52.0	88	28.853	58.4	54.1	77	34.5	63.8	622	0.1	0.0	16,	28
13	49.2	4.0	29.257	51.5	49.1	69	29.130	54.0	47.9	65	37.0	58.5		1.8	1.4	28,	28
14	52.3	7.5	29.667	57.7	53.9	79	29.747	56.9	53.3	80	45.3	61.2		1.7	0.7	22,	21
15	52.4	9.5	29.800	57.0	54.1	83	29.758	57.9	55.2	85	41.2	62.4		2.2	0.8	18,	18
17	50.4	2.0	30.203	53.6	48.6	71	30.191	57.2	50.1	61	31.6	59.8		0.6	0.1	30,	0
18	47.7	4.5	30.233	51.2	46.9	74	30.220	54.2	48.3	66	33.0	58.0		0.7	0.2	2,	0
19	53.5	7.0	30.283	56.5	54.3	87	30.263	60.5	55.8	75	32.6	65.1		0.4	0.0	22,	4
20	49.9	10.0	30.337	56.1	55.1	94	30.311	53.7	53.7	100	39.8	60.5		0.7	0.0	8,	4
21	48.2	10.0	30.325	53.6	52.5	93	30.278	52.9	52.6	98	42.8	55.8	162	1.3	0.6	2,	5
22	49.0	10.0	30.163	55.0	53.7	92	30.084	53.0	53.0	100	47.2	58.2	033	1.7	0.2	4,	6
24	52.5	7.4	29.779	57.8	55.9	89	29.739	57.2	55.5	90	48.3	62.2		0.6	0.1	7,	6
25	49.4	4.2	29.733	55.0	51.5	80	29.727	53.8	51.5	86	43.8	57.6		0.2	0.1	6,	5
26	48.7	8.9	29.801	53.9	51.3	84	29.764	53.5	53.2	98	39.7	59.0		1.3	0.2	4,	3
27	51.8	9.7	29.666	57.5	53.9	80	29.753	56.1	53.1	83	48.8	61.8	232	1.2	0.4	8,	10
28	50.6	10.0	29.653	57.0	53.9	83	29.563	54.3	54.5	100	49.3	58.8		1.3	0.1	8,	4
29	48.0	10.0	29.437	54.0	52.8	92	29.364	52.0	51.7	98	46.0	56.7	392	0.2	0.1	4,	2
Oct. 1	44.1	9.7	29.384	46.7	43.3	77	29.441	46.8	43.3	77	37.3	48.6	318	3.7	0.4	2,	0
2	43.7	1.5	29.491	45.0	41.7	77	29.453	47.7	42.5	67	22.8	49.6		0.4	0.0	—	22
3	36.9	9.7	29.271	40.2	39.3	93	29.100	38.8	38.7	99	25.7	43.6		0.1	0.1	—	4
4	39.7	3.6	29.072	43.0	40.6	83	29.158	41.7	37.6	71	31.3	46.0	387	0.8	0.2	1,	—
5	40.0	2.2	29.345	42.8	39.5	76	29.371	42.5	39.6	79	22.3	49.8		0.6	0.1	24,	20
6	39.4	0.7	29.528	39.3	37.9	89	29.520	44.7	40.0	68	18.3	47.8	010	0.1	0.0	—	28
8	41.4	6.2	29.668	44.0	41.7	84	29.715	44.0	41.1	79	34.7	47.9		2.9	0.5	0,	30
9	45.5	4.5	29.703	48.3	45.2	79	29.656	48.0	43.5	71	25.9	52.4	115	1.1	0.3	18,	22
10	39.4	0.3	29.692	39.0	37.6	89	29.632	45.0	41.3	75	22.2	48.8		0.1	0.0	24,	4
11	39.4	5.2	29.561	39.7	38.0	94	29.552	45.3	42.1	78	19.8	50.2	020	1.7	0.0	9,	8
12	38.3	3.7	29.660	41.8	41.3	96	29.678	40.1	39.1	92	26.8	46.2		2.2	0.2	4,	2
13	39.3	7.7	29.851	43.3	40.4	79	29.902	40.5	39.7	93	28.6	46.1	332	2.7	1.2	2,	1
15	39.5	4.6	30.099	38.7	36.8	84	30.038	45.5	42.6	80	26.5	48.6		0.8	0.0	—	—
16	42.4	5.9	29.881	45.2	41.1	71	29.766	44.8	41.6	78	27.8	50.6		0.3	0.0	—	—
17	50.1	9.2	29.440	51.7	49.0	83	29.379	53.8	50.8	82	22.8	56.8		2.2	0.8	19,	20
18	53.7	7.0	29.634	56.6	54.0	85	29.708	56.1	52.9	82	45.8	61.0		4.3	3.4	20,	18
19	57.8	6.0	29.653	60.3	55.0	73	29.587	60.6	56.0	76	44.4	65.0		6.3	0.2	19,	19
20	47.4	5.7	29.516	50.5	47.4	81	29.533	49.6	46.4	80	40.4	57.4	188	3.0	0.6	20,	18
22	44.5	10.0	29.746	45.6	44.3	91	29.555	48.7	47.3	90	30.7	54.1		1.2	0.0	24,	16
23	49.5	9.7	29.674	54.9	51.4	80	29.672	49.3	45.3	75	43.4	56.0		5.2	0.4	24,	24
24	46.0	10.0	29.691	48.6	48.3	98	29.736	48.7	48.6	99	40.0	51.7	958	0.2	0.0	2,	4
25	53.3	9.9	29.488	56.2	55.6	97	29.417	55.6	54.3	92	44.0	58.6	344	1.2	0.6	20,	20
26	47.4	2.5	29.383	51.0	46.7	74	29.407	49.0	45.3	76	41.2	54.7		1.4	0.2	20,	20
27	49.9	8.5	29.548	49.4	48.5	94	29.611	55.7	54.0	90	31.4	59.8		0.4	0.0	16,	16
29	48.5	9.7	30.280	48.8	46.1	82	30.164	53.2	50.3	82	27.2	54.6		3.0	0.4	20,	—
30	50.4	10.0	29.756	52.1	49.1	81	29.572	53.9	51.5	86	45.2	57.3		5.9	1.6	18,	17
31	44.3	10.0	29.350	49.2	46.4	82	29.265	44.7	43.6	93	34.5	51.8		2.1	0.1	20,	17

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.					5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.					Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time.	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.	Max.	Mean.*		23 ^h .	5 ^h .		
Nov. 1	44.7	5.9	29.373	46.0	45.3	95	29.421	45.4	44.0	90	35.2	50.3	-063	0.1	0.1	6,	3		
2	44.0	7.4	29.411	43.2	43.1	99	29.352	46.8	41.3	64	27.8	49.4		0.0	0.0	18,	—		
3	43.9	10.0	29.307	45.2	43.5	88	29.186	44.7	44.0	95	32.2	48.5	-044	0.1	0.0	20,	18		
5	38.7	1.5	28.437	41.2	38.3	79	28.614	38.3	36.3	84	31.0	45.2	-182	2.2	1.1	25,	18		
6	31.9	3.0	29.167	34.0	31.8	82	29.100	31.8	30.7	91	23.5	41.0	-037	2.2	0.8	18,	18		
7	33.2	10.0	29.667	33.4	32.3	90	29.609	35.0	34.3	94	23.2	37.0		3.9	0.0	—	—		
8	53.3	10.0	29.800	55.4	54.3	93	29.801	53.2	51.7	90	30.8	56.8		3.0	0.6	20,	20		
9	53.0	10.0	29.854	54.4	52.7	90	29.839	53.7	52.3	91	36.5	56.0	-018	4.8	0.9	20,	20		
10	53.1	10.0	29.832	54.5	51.5	82	29.765	53.7	50.9	83	47.8	55.5	-065	2.1	0.6	20,	18		
12	50.9	10.0	29.700	52.4	50.9	90	29.638	51.5	50.5	94	47.2	54.2	-005	3.6	1.3	18,	20		
13	46.1	6.5	29.378	50.2	47.4	82	29.353	44.0	41.7	84	39.8	53.2		3.0	0.6	18,	20		
14	38.9	4.7	29.187	42.3	41.1	91	29.182	37.5	35.7	86	30.2	44.5	-154	0.8	0.1	17,	—		
15	40.0	1.8	29.339	40.0	36.7	75	29.475	42.0	41.1	93	28.2	46.0		1.8	0.2	26,	30		
16	39.6	5.0	29.857	42.2	38.9	76	29.901	39.0	36.3	78	32.0	44.6		0.8	0.1	28,	28		
17	39.0	9.7	30.008	38.8	37.3	88	29.928	41.2	41.1	99	22.8	44.6	-027	0.2	0.0	—	—		
19	45.2	10.0	29.838	46.0	44.8	91	29.836	46.4	45.4	93	39.8	55.7		1.3	0.0	—	—		
20	44.7	10.0	29.866	46.2	46.2	100	29.850	45.2	45.2	100	41.2	48.0	-132	0.1	0.0	4,	—		
21	42.6	2.5	29.802	43.0	42.3	95	29.777	44.3	43.1	91	38.0	47.8		0.2	0.1	17,	15		
22	41.5	10.0	29.586	41.9	41.3	96	29.456	43.1	43.0	99	36.0	45.4		0.5	0.0	14,	—		
23	42.0	9.9	29.161	43.8	42.3	90	29.019	42.2	41.6	96	28.9	45.8	-155	2.2	0.4	17,	18		
24	36.1	5.5	29.092	36.2	36.2	100	29.066	38.0	37.3	94	25.8	42.4	-150	0.4	0.1	20,	—		
26	33.1	8.0	29.724	33.2	33.1	99	29.840	35.0	34.6	96	20.6	38.7		0.1	0.0	8,	—		
27	29.6	8.5	30.022	30.1	30.1	100	29.985	31.1	30.8	97	19.8	34.0		0.1	0.0	26,	—		
28	22.1	1.0	29.830	23.0	22.7	97	29.730	23.3	23.8	100	12.6	27.0		0.1	0.0	—	—		
29	32.8	10.0	29.537	30.3	29.4	92	29.430	37.3	36.3	91	11.5	43.8		†	0.1	—	20		
30	38.3	0.2	29.520	41.0	40.6	97	29.633	37.7	37.3	97	.....	45.0	-340	0.1	.....	22,	20
Dec. 1	36.5	8.7	29.792	34.7	34.7	100	29.708	39.6	39.3	98	24.5	40.8		0.2	0.1	20,	16		
3	35.9	8.0	29.598	38.4	35.3	75	29.634	34.6	33.3	89	34.0	39.8	-046	2.9	0.5	9,	4		
4	31.3	9.0	29.451	30.7	30.4	97	29.271	33.2	33.1	99	24.0	36.6		0.6	0.0	4,	4		
5	28.3	5.1	29.214	24.9	25.4	100	29.107	33.0	33.3	100	18.8	37.0		0.4	0.1	—	4		
6	39.9	5.2	29.249	38.8	37.9	93	29.386	42.2	40.3	86	29.2	44.6	-245	3.8	1.7	16,	17		
7	43.7	10.0	29.468	43.7	40.5	77	29.401	45.0	42.3	81	30.0	46.8		2.4	1.4	12,	12		
8	39.8	10.0	29.350	39.8	39.3	96	29.376	41.0	40.7	98	35.8	43.0	-017	3.1	0.4	8,	9		
10	38.8	10.0	29.977	39.7	39.7	100	30.032	39.2	39.1	99	34.0	41.5		2.0	0.0	†0,	4		
11	37.1	6.2	30.131	37.6	36.3	89	30.088	37.8	36.5	89	29.0	41.2		0.2	0.1	6,	4		
12	36.1	6.0	29.982	38.2	35.3	76	29.892	35.2	33.3	83	29.0	40.2	-138	0.5	0.2	8,	8		
13	34.8	9.9	29.666	37.0	36.3	94	29.568	33.8	32.8	91	29.8	39.6		1.3	0.4	10,	14		
14	43.3	5.1	29.427	44.0	42.6	90	29.435	43.8	42.8	93	27.2	51.0	-313	2.0	0.4	20,	20		
15	44.0	10.0	29.494	43.4	42.5	93	29.525	45.8	44.1	88	38.4	46.8		7.2	0.1	—	19		
17	42.7	6.0	29.177	41.9	41.4	97	29.310	44.8	42.5	84	37.6	48.5	-428	3.8	0.1	—	22		
18	40.6	10.0	29.202	42.2	42.4	100	29.178	40.2	40.1	99	37.5	46.5	-130	1.2	0.2	4,	0		
19	37.7	0.6	29.864	39.4	35.3	68	29.958	37.2	35.3	84	32.9	42.5	-113	4.3	0.3	30,	26		
20	35.1	3.2	30.208	36.2	33.5	77	30.348	35.2	34.3	92	28.2	40.2	-046	1.7	0.2	30,	—		
21	33.3	8.7	30.484	34.0	32.6	87	30.530	33.8	31.5	81	27.2	36.8		0.7	0.1	0,	4		
22	30.9	5.7	30.617	33.0	29.8	73	30.618	30.1	30.4	100	27.7	34.8		0.5	0.0	5,	4		
24	37.4	7.0	30.378	38.8	38.6	98	30.409	37.2	36.3	92	26.6	41.0		1.2	0.1	1,	2		
25	35.9	7.5	30.407	35.8	34.5	89	30.246	37.3	35.5	85	29.7	41.0		0.7	0.0	24,	20		
26	41.3	9.4	29.869	41.7	39.5	83	29.620	42.2	40.0	83	31.2	44.2	-192	1.0	0.5	24,	23		
27	33.1	3.0	29.283	35.4	35.0	97	29.266	32.0	31.7	97	30.7	36.8		4.5	2.7	30,	30		
28	22.1	1.0	29.259	21.4	19.5	79	29.303	24.0	23.0	90	17.5	26.0		5.8	2.3	30,	30		
29	35.5	9.2	29.408	36.0	33.3	77	29.585	36.3	34.6	86	19.8	39.0		4.0?	1.7?	30,	30		
31	29.3	1.6	30.139	30.6	30.7	100	30.117	29.3	28.6	94	18.0	33.5	-332	†	0.0	—	—		

* See Introduction for a description of the method* by which these means have been obtained.

† Anemometer frozen.

‡ Found by observing smoke.

Civil Day.	Calculated Daily Means.*		11 A.M., Gottingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Gottingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Gottingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
Jan. 1	32.7	6-9	30.046	33.0	31.9	91	30.007	33.8	32.7	90	19.6	37.0		†	0.0	— †16, — —
2	36.7	10.0	29.976	37.2	36.3	92	29.962	37.6	37.3	97	22.8	39.5		†	0.1	— 24, — 24
3	42.3	10.0	29.749	42.9	42.3	95	29.655	43.2	42.9	98	33.2	45.2		0.5	0.2	— 22, — 20
4	36.4	3.0	29.217	37.4	35.8	87	28.936	36.8	35.3	88	28.3	40.0	0.14	1.3	0.3	— 18, — 20
5	30.9	3.6	28.921	33.6	31.7	84	29.061	29.7	28.4	89	27.0	35.5		1.9	0.1	— 21, — 20
7	31.2	7.2	29.773	30.1	30.2	100	29.913	33.8	31.9	84	16.7	35.0		0.7	0.1	— 28, — —
8	.....	0.1	30.136	24.6	23.5	89	.....	.....	.....	.....	15.0	31.6		†	0.0	— — — —
9	26.5	5.0	30.025	24.4	24.1	96	30.011	30.1	30.0	99	12.8	30.5		†	0.0	— — — —
10	29.9	9.9	29.782	30.3	.....	.....	29.638	30.9	31.0	100	25.0	34.0		†	0.0	— 16, — 24
11	29.3	10.0	29.634	29.7	29.6	99	29.689	30.3	30.4	100	23.6	32.5		†	0.1	— 16, — 4
12	32.2	10.0	29.895	33.6	32.1	87	29.914	32.3	32.3	100	26.0	34.2		†	0.3	— 4, — 6
14	27.5	7.2	29.789	26.4	25.9	95	29.735	30.1	27.9	80	22.3	33.2		†	0.1	— 4, — 8
15	24.2	7.0	29.568	23.7	23.5	98	29.458	26.1	25.9	98	15.8	31.5		†	0.1	— 8, — 6
16	31.2	10.0	29.383	31.8	31.3	96	29.440	32.0	31.8	98	20.2	34.3	5.90	†	0.1	— 4, — 8
17	25.5	7.5	29.702	31.3	30.8	96	29.742	21.2	21.5	100	25.0	29.0		†	0.0	— 20, — —
18	24.8	10.0	29.675	19.8	19.9	100	29.531	31.3	30.4	92	1.2	32.6		†	0.2	— 16, — 12
19	31.4	10.0	29.363	32.6	32.6	100	29.552	31.6	31.6	100	27.8	35.5		†	1.0	— 6, — 6
21	27.0	10.0	30.079	27.1	27.2	100	30.104	28.4	28.4	100	22.2	32.0	2.98	†	0.1	— 14, — 17
22	34.8	10.0	30.143	34.8	34.1	93	30.127	36.3	36.1	97	21.2	38.0		†	0.6	— 18, — 22
23	42.5	7.0	30.138	44.2	42.3	86	30.115	42.2	40.8	89	32.2	49.0		†	0.3	— 19, — 18
24	40.1	7.0	30.024	41.1	39.3	86	29.924	40.5	38.7	85	31.2	45.5		†	0.2	— 20, — 21
25	38.2	9.5	29.478	37.4	37.3	99	29.418	40.4	38.9	88	32.2	42.1		†	0.1	— 18, — 26
26	30.0	5.1	29.269	32.8	33.1	100	29.640	28.7	28.4	97	28.8	34.2		5.2	1.0	— 31, — 31
28	45.3	9.2	29.370	45.0	44.0	93	29.255	47.0	43.1	75	24.6	49.9	7.17	5.2	1.2	— 18, — 22
29	33.2	3.0	29.789	35.0	32.3	77	29.856	32.8	30.7	82	28.8	49.0		0.5	0.0	— 26, — —
30	32.7	9.5	30.000	31.5	30.4	90	30.005	35.4	33.3	81	22.2	39.0		0.1	0.0	— 24, — 25
31	34.7	10.0	29.807	33.6	33.3	97	29.581	37.3	36.3	91	23.8	39.0		0.2	0.0	— — — —
Feb. 1	44.2	7.3	29.206	46.5	45.8	95	29.082	46.0	42.3	75	33.0	49.2	2.12	2.5	0.6	— 18, 18, 18
2	44.3	8.9	29.284	45.6	43.5	86	29.097	44.3	43.6	96	40.2	49.0		4.8	0.7	20, 20, 22, 19
4	38.0	8.7	29.561	39.8	37.7	84	29.475	39.2	37.5	86	30.8	44.8		2.3	0.2	20, 21, 18, 17
5	36.1	8.0	29.146	36.2	34.3	84	28.466	42.0	41.9	99	28.0	42.8	2.44	6.6	1.3	18, 18, 18, 17
6	37.1	3.7	28.436	40.2	37.3	78	28.703	37.0	34.6	81	29.8	43.0	4.30	7.2	2.9	24, 27, 27, 27
7	35.2	0.4	29.068	35.6	32.5	75	29.159	37.5	33.5	69	28.8	40.8		2.4	0.7	24, 24, 25, 25
8	37.7	10.0	29.122	33.3	33.1	98	29.075	44.2	44.2	100	28.2	47.0	1.88	2.1	0.1	17, 16, 17, 21
9	42.7	7.2	28.717	45.0	43.3	88	28.564	40.4	37.7	80	40.2	49.2	4.36	10.0?	5.1?	18, 19, 22, 20
11	34.6	10.0	28.274	39.0	37.8	91	28.656	32.0	32.1	100	30.0	40.2	2.65	2.2	0.3	20, 16, 12, 2
12	31.4	6.7	28.925	33.6	32.7	92	28.971	33.0	32.5	96	22.4	39.5	4.85	2.6	0.2	21, 22, 23, 26
13	28.6	1.6	29.776	29.3	27.9	87	29.870	30.9	30.4	95	23.2	34.0		3.8	0.2	28, 26, 22, —
14	40.8	10.0	29.464	39.5	38.9	95	29.458	46.6	45.5	92	25.6	48.6		2.4	0.5	18, 18, 20, 18
15	49.7	8.6	29.462	53.2	49.9	81	29.425	49.9	48.5	91	42.8	55.8		3.0	1.4	19, 22, 19, 20
16	39.5	1.4	29.539	40.3	36.8	73	29.761	40.6	38.2	82	33.8	44.8	1.90	5.0	1.7	26, 25, 26, 25
18	45.8	10.0	29.702	47.6	45.6	86	29.706	47.0	45.5	89	40.0	49.8		3.5	1.9	29, 19, 20, 19
19	42.9	8.8	29.558	46.0	44.8	92	29.438	36.6	36.8	100	42.0	50.9		4.1	1.7	19, 18, 17, 18
20	42.3	2.6	29.573	45.0	40.9	72	29.668	40.2	38.1	83	40.2	47.2		4.5	1.0	20, 22, 24, 21
21	46.1	7.0	29.450	47.5	42.7	69	29.446	49.2	44.6	71	33.3	51.0	1.97	11.4	7.3	22, 26, 26, 26
22	48.5	6.4	29.905	50.0	46.6	79	29.981	49.2	45.5	76	44.0	53.6		10.5	1.6	25, 24, 26, 22
23	44.1	9.8	29.929	46.0	42.7	77	29.902	45.2	41.5	74	35.2	48.4		2.3	1.0	20, 20, 23, 20
25	41.0	7.3	30.076	42.6	39.8	79	30.053	44.6	43.3	91	33.2	47.0		1.1	0.2	— 24, 20, 20
26	42.7	1.2	30.057	45.0	42.3	81	29.989	46.5	42.5	73	29.8	40.0		2.8	0.7	20, 20, 17, 20
27	46.0	9.4	29.955	47.0	44.7	84	29.933	48.4	46.1	84	40.0	52.0		4.2	0.3	24, 22, 19, 24
28	43.5	10.0	29.919	44.8	43.1	88	29.889	46.0	43.6	83	33.0	49.5		0.7	1.1	— — 20, 20

* See Introduction for a description of the methods by which these means have been obtained.

† Anemometer frozen.

‡ Found by observing smoke.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermometer.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
Mar. 1	47.0	7.2	29.806	49.6	45.3	73	29.890	51.0	46.5	72	38.2	54.0		3.2	1.5	19, 21, 22, 19
2	44.3	10.0	29.793	46.3	45.1	91	29.665	45.8	44.5	91	39.8	49.8		3.2	1.2	20, 19, 20, 22
4	33.1	2.8	29.905	34.2	33.9	97	30.035	38.5	33.3	59	25.3	40.2	-108	3.5	0.4	— 30, 29, 28
5	40.9	10.0	30.080	42.7	41.1	88	30.065	45.2	43.9	91	28.0	48.8	-032	3.1	0.9	19, 18, 20, 17
6	50.0	7.9	30.161	53.0	49.3	78	30.168	52.5	49.6	82	35.3	57.0		3.5	1.4	19, 20, 20, 20
7	48.9	3.4	30.233	51.3	47.5	76	30.193	52.6	47.9	72	42.3	56.8		1.9	0.3	20, 23, 24, 24
8	46.9	2.7	30.184	47.7	45.3	84	30.121	54.0	48.7	69	34.2	59.8		1.0	0.1	21, 16, 20, 20
9	42.0	10.0	29.880	44.2	42.1	85	29.800	44.1	42.3	87	34.2	46.8		1.9	0.5	20, 18, 20, 19
11	46.0	3.5	30.277	42.3	37.2	63	30.286	45.6	39.6	59	27.3	48.7		1.8	0.2	25, 29, 30, 30
12	39.9	2.5	30.338	42.8	40.1	80	30.322	48.6	44.1	70	21.8	50.8		0.5	0.1	— 23, 28, 25
13	42.5	3.5	30.305	46.2	42.3	73	30.280	52.0	46.3	65	25.2	54.6		0.3	0.1	18, 29, 14, —
14	43.9	10.0	30.356	46.6	44.3	84	30.348	46.4	44.3	85	37.8	48.2		0.2	0.0	— — — 6
15	43.7	9.9	30.317	46.3	43.5	81	30.245	47.8	43.3	70	35.8	54.0		0.2	0.1	4, — 18, 6
16	41.1	7.6	30.140	44.0	41.1	79	30.135	42.2	38.0	69	37.6	47.4		1.3	0.4	30, 1, 4, 3
18	40.9	10.0	30.096	40.0	38.3	86	30.023	48.4	43.3	67	29.2	51.2		0.4	0.1	— 17, 23, 28
19	44.3	9.2	29.991	47.0	45.3	88	29.985	47.8	42.5	65	38.0	51.0		1.0	0.2	30, 31, 0, 4
20	45.3	9.4	30.026	47.0	42.9	72	29.982	51.0	44.3	59	36.4	52.2		0.4	0.2	28, 30, 30, 30
21	38.4	9.8	30.097	40.4	37.3	76	30.100	43.0	38.5	68	32.4	44.6		1.8	0.5	30, 1, 1, 1
22	44.3	9.8	29.768	45.3	40.6	67	29.543	48.8	44.5	73	32.8	50.5		1.9	0.6	25, 26, 24, 25
23	33.1	3.6	29.314	36.8	35.8	92	29.329	35.8	33.5	81	25.2	41.5		4.5	2.2	26, 28, 0, 29
25	30.9	1.1	29.524	32.0	30.9	91	29.440	38.0	31.9	56	15.3	41.8		2.5	0.2	25, 22, 26, 26
26	34.6	1.6	29.552	37.0	31.9	62	29.614	40.2	33.9	53	15.3	42.0		0.7	0.2	— 4, 7, 4
27	33.8	3.5	29.659	36.2	31.9	67	29.667	38.8	32.6	53	20.2	43.0		0.6	0.2	— 29, 30, 0
28	33.5	2.7	29.826	35.3	32.3	74	29.819	41.2	33.3	42	14.5	42.5		0.9	0.1	— 20, 4, 5
29	38.8	6.5	29.854	40.6	35.3	62	29.805	45.0	37.7	51	12.0	51.8		1.2	0.4	— — 18, 16
30	37.2	10.0	29.718	39.8	34.5	62	29.609	39.2	34.6	67	30.3	44.0		5.2	2.0	13, 12, 14, 12
April 1	47.9	9.8	29.318	53.7	49.6	76	29.230	51.6	48.8	83	37.8	57.0	-062	3.7	0.5	14, 15, 14, 12
2	44.7	10.0	28.928	45.0	44.1	94	28.888	54.5	51.8	84	37.5	56.8	-042	0.6	0.1	4, 2, 6, 14
3	47.8	10.0	28.947	50.3	48.1	86	28.888	52.2	47.1	70	40.3	57.8	-134	1.1	0.2	18, 17, 18, 16
4	51.2	9.9	28.548	56.2	52.8	81	28.568	55.0	52.6	86	42.8	60.6	-148	2.2	0.2	16, 15, 20, —
5	47.8	5.1	29.163	49.7	46.5	80	29.350	51.0	46.8	75	44.3	55.8	-038	4.0	1.5	25, 25, 26, 22
6	42.2	9.2	29.332	47.5	44.3	79	29.274	47.0	44.3	82	30.2	49.0		1.8	0.1	17, 24, 20, 21
8	51.4	9.6	29.208	56.9	47.5	50	29.092	51.8	50.5	92	35.5	63.0	-146	0.8	0.1	12, 12, 14, 4
9	49.3	8.9	28.951	49.5	46.2	79	28.928	51.7	48.4	80	41.2	55.9	-404	2.0	0.6	14, 14, 14, 14
10	44.5	9.1	29.054	50.3	47.3	81	29.144	47.8	42.3	65	37.8	52.8	-012	2.6	0.6	18, 18, 19, 17
11	43.9	5.6	29.265	47.2	43.3	74	29.295	51.2	46.3	70	23.6	58.2		0.8	0.1	24, — 16, 14
12	42.3	6.5	29.567	42.0	40.3	87	29.581	49.3	44.3	69	31.7	50.2		0.9	0.1	6, 4, 6, 8
13	41.9	7.2	29.653	40.8	40.5	98	29.584	53.4	46.7	61	24.2	54.2		0.4	0.1	12, 6, 8, 12
15	38.0	10.0	29.272	42.6	40.6	85	29.056	41.0	39.7	91	36.2	45.0		2.7	0.7	10, 6, 8, 8
16	44.0	8.7	28.832	46.8	45.5	91	28.802	47.8	45.3	84	34.2	49.6	-106	1.3	0.1	— — 12, 6
17	48.1	5.7	29.052	52.2	47.5	72	29.169	53.2	45.6	57	30.4	58.0	-032	1.9	0.8	18, 20, 24, 20
18	48.3	6.4	29.570	52.6	45.3	58	29.620	52.6	47.3	69	34.2	.....		2.1	0.8	18, 22, 20, 20
19	51.6	4.5	29.470	55.7	52.3	80	29.464	57.6	50.7	63	39.5	59.8	-174	3.4	1.2	18, 20, 20, 20
20	43.1	10.0	29.098	47.8	46.6	92	29.108	48.2	46.5	89	35.5	50.0		1.7	0.1	— — 28, 26
22	41.6	6.1	29.754	44.4	39.1	63	29.794	46.9	40.5	58	32.6	48.8	-253	2.9	1.4	30, 0, 0, 0
23	40.6	7.2	29.832	47.0	40.3	56	29.821	43.3	39.1	70	30.2	48.2	-006	1.5	0.3	30, 3, 4, 6
24	41.8	9.7	29.884	45.0	37.8	54	29.877	47.8	40.5	53	28.2	51.8		0.4	0.2	30, 29, 0, 6
25	39.7	10.0	29.809	44.0	40.6	76	29.822	43.3	40.1	76	29.8	47.6		0.7	0.5	14, 8, 11, 6
26	40.5	10.0	30.097	44.5	41.7	80	30.092	44.0	42.5	89	29.8	48.0	-016	0.8	0.2	8, 2, 2, 8
27	44.2	3.1	30.155	48.9	41.6	54	30.157	48.3	42.6	63	35.0	.....		0.7	0.3	6, 8, 6, 5
29	39.6	10.0	30.272	42.8	38.9	72	30.243	43.8	39.3	68	28.0	47.2		1.1	0.3	1, 2, 2, 2
30	40.4	6.6	30.148	43.8	40.3	75	30.104	45.0	39.1	59	31.5	47.6		0.8	0.2	4, 4, 2, 1

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.		Max.	Mean.*	
May 1	40.8	6.5	29.994	43.4	38.5	65	29.978	45.5	39.1	57	35.0	.....	-035	2.3	0.6	1, 1, 0, 2
2	45.2	3.7	30.048	47.0	42.7	71	29.990	51.9	44.9	58	20.2	53.8	.....	0.6	0.1	17, —, 23, 26
3	47.8	4.2	29.843	51.7	45.6	63	29.763	51.7	45.9	65	.....	.....	.....	3.2	1.6	24, 22, 26, 28
4	42.0	7.0	29.624	47.0	41.3	63	29.529	44.0	39.1	66	29.0	49.8	-028	2.4	0.2	27, 30, 8, 30
6	39.0	5.1	29.614	42.0	37.3	66	29.586	45.8	41.5	71	25.2	↑	1.084	1.7	0.1	0, 2, 8, 14
7	41.0	3.2	29.552	44.4	38.9	62	29.473	46.8	41.1	63	29.8	.....	-015	0.4	0.1	—, 4, 12, 14
8	44.1	10.0	29.205	46.8	41.6	66	29.146	50.8	43.5	57	33.0	.....	.....	0.3	0.1	—, 12, 24, 30
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-148	.....	.....	.....
10	46.3	7.6	29.370	49.3	47.3	87	29.359	55.9	48.9	62	30.2	.....	-083	3.5	0.8	17, 20, 20, 21
11	47.3	9.8	29.509	50.4	45.5	70	29.496	50.6	41.1	44	38.3	.....	-090	2.6	0.9	20, 26, —, 22
13	44.9	6.2	29.968	45.4	38.1	54	29.917	50.6	42.3	50	30.0	.....	.....	1.5	0.2	28, 31, —, 20
14	43.9	7.1	29.718	48.7	41.2	53	29.751	45.0	39.7	64	37.0	.....	.....	1.8	0.9	25, 0, 2, 2
15	41.9	6.5	29.826	45.5	38.3	51	29.798	46.8	39.5	53	25.5	.....	.....	1.6	0.4	29, 0, 1, 2
16	53.5	9.9	29.651	.....	.....	.....	29.619	56.9	49.7	61	33.2	.....	.....	0.3	0.1	25, 22, 18, 26
17	51.4	9.9	29.694	56.6	51.0	69	29.626	57.7	54.1	80	38.9	66.0	.....	0.6	0.1	—, 18, 18, 16
18	48.9	10.0	29.475	53.2	49.3	77	29.463	52.0	48.7	80	39.0	57.6	-150	0.3	0.2	21, 18, 17, 18
20	44.0	10.0	29.703	44.8	44.8	100	29.610	48.6	47.7	94	37.1	50.9	-042	1.7	0.4	3, 2, 2, 3
21	49.7	6.7	29.655	51.8	49.6	86	29.573	57.6	54.3	82	40.0	61.4	-093	0.6	0.1	—, 12, 12, 8
22	51.3	5.4	29.377	52.4	50.7	89	29.297	59.9	55.5	77	34.8	61.5	.....	0.3	0.1	8, —, 6, 4
23	53.2	8.6	29.345	56.9	53.3	80	29.354	54.3	43.5	41	40.2	68.2	.....	0.3	0.0	—, —, 7, 2
24	54.1	7.9	29.312	56.9	54.6	87	29.260	60.0	54.6	72	39.0	65.6	-208	0.2	0.0	—, —, —, 6
25	46.6	10.0	29.127	50.0	49.3	95	29.072	50.0	49.9	99	41.8	51.8	-531	0.5	0.1	4, 28, 4, 21
27	54.5	6.1	29.339	56.1	52.6	80	29.371	63.1	54.8	60	45.8	67.0	-442	1.5	0.7	20, 20, 20, 19
28	57.0	8.8	29.578	65.4	56.7	59	29.707	56.4	53.3	82	44.6	64.6	-251	1.4	0.3	26, 20, 17, 20
29	56.7	9.8	29.888	58.2	53.6	75	29.873	63.1	57.5	72	42.2	66.6	-047	1.1	0.4	22, 20, 18, 17
30	60.6	4.2	29.848	65.8	57.5	61	29.829	65.9	59.4	69	38.0	70.9	.....	1.2	0.2	—, 19, 16, 16
31	55.2	7.4	29.981	55.1	53.1	88	29.975	64.6	57.4	65	37.8	73.1	-048	0.5	0.1	—, 7, 12, 15
June 1	61.9	3.7	30.099	64.6	59.4	74	30.059	66.4	58.6	63	39.6	73.5	.....	0.5	0.1	—, —, —, 20
3	68.6	6.2	30.114	73.2	63.7	60	30.050	73.6	62.9	55	48.6	68.8	.....	0.3	0.0	—, —, —, 20
4	65.8	7.9	29.949	71.3	59.4	49	29.869	74.0	61.9	51	43.6	77.4	.....	0.2	0.1	8, 20, —, —
5	59.0	8.2	29.653	59.7	57.0	85	29.564	62.1	56.2	70	50.0	71.0	.....	1.2	0.2	—, 6, 23, 21
6	58.1	8.1	29.262	63.0	55.4	63	29.116	59.6	56.3	83	41.8	68.2	.....	1.2	0.1	—, 18, 18, 18
7	54.1	9.5	29.044	59.1	55.4	80	29.176	56.7	51.8	73	38.8	64.2	-318	1.0	0.2	—, 30, 28, 0
8	53.1	6.5	29.566	54.4	50.7	79	29.626	58.1	50.9	62	38.3	63.5	-115	2.2	0.6	28, 22, 26, 26
10	56.5	4.9	29.781	60.3	55.8	76	29.695	63.6	55.7	61	.....	64.4	.....	2.2	0.7	21, 20, 20, 21
11	56.0	5.5	29.466	61.4	58.0	82	29.525	60.2	51.5	56	41.8	65.4	-030	3.3	0.7	21, 20, 24, 26
12	52.6	8.7	29.308	54.0	54.3	100	29.131	60.8	56.2	76	45.0	62.4	-298	2.7	0.9	20, 20, 20, 20
13	52.3	6.6	29.096	53.3	49.7	79	29.169	58.4	53.3	73	44.8	62.6	-002	3.1	1.3	22, 26, 24, 24
14	47.6	10.0	29.299	57.9	57.9	100	29.245	46.8	46.7	99	42.2	54.1	.....	2.3	0.4	—, 8, 8, 5
15	47.1	6.6	29.495	49.6	45.1	72	29.579	52.2	45.3	59	35.8	55.6	-275	2.5	1.0	1, 1, 4, 2
17	54.6	9.6	29.811	58.9	55.4	81	29.812	61.6	54.3	63	40.8	64.6	-155	0.8	0.1	—, 20, —, 22
18	56.2	7.3	29.986	61.1	55.5	71	30.011	58.8	54.6	77	40.0	67.9	-296	0.6	0.1	—, 10, 26, 2
19	61.1	8.9	30.083	64.4	59.9	77	30.049	67.4	62.1	75	44.8	70.0	.....	0.7	0.3	20, 23, 22, 20
20	61.3	6.7	29.957	64.6	60.1	78	29.924	63.4	58.8	77	.....	71.0	-010	1.6	0.5	23, 22, 20, 22
21	56.2	9.6	29.757	61.0	54.5	67	29.713	60.0	56.8	82	49.6	66.8	.....	3.4	1.7	22, 22, 20, 20
22	57.4	9.0	29.746	62.3	58.7	81	29.772	62.1	57.8	78	48.8	65.8	-018	2.8	1.9	20, 20, 21, 21
24	66.8	7.5	29.987	71.8	64.3	67	29.931	71.2	64.1	68	43.0	77.2	.....	1.3	0.3	23, 23, 24, 19
25	54.9	9.8	29.982	55.4	54.4	94	29.904	59.7	56.3	81	46.2	64.1	.....	0.7	0.2	20, 4, 6, 2
26	58.4	4.2	29.755	61.6	51.7	51	29.729	63.1	55.0	60	44.2	67.9	.....	0.4	0.1	—, 0, 26, 0
27	55.4	2.4	29.927	57.5	49.7	58	29.883	64.6	55.2	55	31.6	66.3	.....	1.6	0.1	—, —, 7, 14
28	57.2	2.6	29.625	58.9	50.9	58	29.502	64.2	55.2	57	33.2	68.8	.....	0.3	0.1	20, 19, 28, 20
29	53.2	3.4	29.385	56.5	48.5	57	29.397	58.7	51.3	61	33.2	61.3	-005	2.7	0.7	21, 23, 23, 26

* See Introduction for a description of the methods by which these means have been obtained.

† Sent to be repaired.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.					5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Thermo- meter.		Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Min.	Max.	Max.		Mean.*		
July 1	56.6	6.5	29.336	60.4	52.1	58	29.314	57.4	50.5	63	50.0	63.2	-155	2.6	1.1	23, 22, 20, 20	
2	56.1	6.9	29.413	59.1	51.5	61	29.443	60.6	52.3	58	39.8	64.6	-017	2.2	0.7	23, 22, 26, 23	
3	54.5	5.6	29.002	58.9	55.2	80	29.306	55.2	51.3	78	42.8	62.7	-225	6.6	3.0	22, 22, 20, 22	
4	54.0	7.2	29.407	59.1	52.3	64	29.367	51.0	50.8	99	38.8	66.6		3.6	0.2	20, 18, 22, 16	
5	52.0	4.8	29.656	55.7	49.8	67	29.764	60.4	53.3	63	40.0	63.3	-257	1.5	0.3	18, 22, 26, 25	
6	50.4	10.0	29.817	56.1	52.3	78	29.726	52.2	49.7	84	34.2	.....	-016	0.8	0.0	— — — —
8	52.4	5.0	29.799	54.0	46.5	57	29.757	59.9	50.8	53	37.6	63.0	-422	1.5	0.2	— 1, 0, 28	
9	50.8	8.7	29.732	53.6	50.8	83	29.758	54.4	48.9	68	38.8	62.5		0.6	0.1	— — 16, 4	
10	57.5	6.4	29.818	59.1	51.3	59	29.776	64.4	55.2	56	29.0	66.9	-050	0.7	0.0	— — 4, —	
11	58.3	10.0	29.816	62.1	59.0	84	29.817	67.7	60.7	67	36.8	71.4		0.2	0.0	— — 17, 24	
12	65.4	9.7	29.880	67.3	60.7	69	29.833	70.5	62.1	63	49.2	75.4		0.2	0.1	20, — — 20	
13	63.2	7.8	29.879	66.9	59.5	65	29.882	68.2	59.3	59	51.8	72.6		0.4	0.1	— 4, 8, 9	
15	63.0	9.1	29.900	65.6	59.0	68	29.850	69.1	59.7	58	43.8	76.9		0.3	0.1	4, — 8, 12	
16	64.6	5.9	29.804	70.5	60.9	58	29.774	64.8	59.6	74	42.8	73.9		0.4	0.1	— 9, 12, 6	
17	62.8	6.1	29.726	67.4	61.1	70	29.681	67.5	60.1	66	47.2	.....		0.3	0.1	— 4, 8, 6
18	62.2	8.1	29.734	63.8	59.9	80	29.727	60.6	57.7	84	.....	70.8	-093	0.3	0.2	— 4, 6, 8
19	57.1	9.7	29.753	59.4	57.2	88	29.754	62.4	59.8	86	49.8	67.1		0.2	0.1	8, — 4, 4	
20	62.0	8.1	29.728	64.4	59.4	75	29.679	70.2	61.3	61	46.6	75.2		0.1	0.0	— — — —	
22	66.4	7.7	29.701	69.2	59.8	58	29.696	70.6	69.9	97	49.2	79.7		1.1	0.4	18, 18, 20, 12	
23	64.2	3.4	29.718	68.9	62.1	69	29.644	69.7	62.9	69	47.2	72.9		2.1	0.6	12, 10, 14, 10	
24	54.2	10.0	29.579	58.2	58.2	100	29.586	56.9	57.0	100	50.2	68.3	-415	0.8	0.1	— 24, 20, 22	
25	60.7	5.3	29.577	61.8	56.6	73	29.496	65.6	58.4	66	39.0	68.3	-463	0.3	0.1	28, — 8, 12	
26	52.9	10.0	29.471	58.7	55.4	82	29.474	53.8	53.1	96	42.8	59.4	-056	0.6	0.1	2, 2, 1, 2	
27	56.1	9.9	29.601	60.0	58.4	91	29.726	58.7	57.5	93	46.0	65.5	-316	1.9	0.7	4, 3, 4, 6	
29	58.7	5.0	29.995	59.5	57.2	87	29.946	68.4	62.9	74	43.8	71.4		0.3	0.0	2, — — —	
30	67.2	6.1	29.949	70.0	61.7	63	29.901	73.2	65.7	67	42.5	79.3		0.4	0.1	22, 24, 20, 20	
31	61.4	9.3	29.873	68.5	64.1	79	29.968	59.7	55.8	79	52.6	71.3		1.3	0.1	20, 30, 6, 8	
Aug. 1	58.6	4.6	30.001	61.0	55.4	71	29.901	70.0	60.9	60	33.6	74.1		0.4	0.0	— — — 23	
2	63.6	7.3	29.749	67.5	62.4	76	29.732	67.9	60.6	66	40.5	72.2		1.4	0.5	18, 20, 23, 24	
3	57.2	6.9	29.756	60.3	54.3	68	29.727	62.8	54.9	61	37.2	66.8	-125	1.3	0.2	28, 22, 24, 26	
5	56.7	10.0	29.428	61.0	57.5	82	29.410	59.7	57.4	87	45.6	70.1	-045	1.1	0.1	20, 18, 22, —	
6	58.0	8.9	29.460	63.1	58.8	78	29.480	59.6	58.4	93	37.6	69.0	-233	0.7	0.1	16, 20, 14, 18	
7	57.9	2.3	29.606	59.5	54.1	71	29.537	69.2	61.9	67	33.0	71.8	-272	0.2	0.1	— 22, 14, 20	
8	62.2	9.4	29.342	67.3	62.6	78	29.305	64.5	59.4	75	33.0	70.9	-034	0.7	0.2	20, 21, 22, 22	
9	58.5	7.4	29.127	63.3	58.5	76	29.155	63.0	57.4	72	43.8	67.9	-062	0.8	0.2	23, 24, 24, 26	
10	61.0	4.5	29.450	64.9	58.5	69	29.468	63.2	58.2	75	48.8	.....	-118	1.4	0.5	23, 28, 24, 22
12	57.4	5.2	29.614	61.8	57.5	78	29.677	62.4	57.8	77	44.2	67.0	-024	0.8	0.2	— 6, 5, 8	
13	58.3	3.2	29.708	60.6	56.2	77	29.663	65.1	60.3	77	36.8	72.2		0.6	0.0	— — — —	
14	59.9	3.6	29.878	62.6	56.5	69	29.877	67.5	60.7	68	40.7	71.9		0.1	0.0	— — — 16	
15	67.2	6.2	29.863	69.4	65.1	80	29.819	73.2	65.5	67	37.2	78.8		0.3	0.1	— 6, 19, 23	
16	57.8	10.0	29.809	57.6	56.3	93	29.755	64.0	60.6	83	37.2	71.7		0.3	0.0	— 4, 0, —	
17	54.1	8.2	29.765	57.7	56.2	91	29.786	57.5	54.8	84	47.0	64.7	-330	0.2	0.1	2, 6, 2, 14	
19	51.2	9.6	29.118	54.8	48.9	67	29.157	55.9	50.5	70	42.0	57.8	-012	7.0	4.1	30, 22, 22, 24	
20	48.8	6.7	29.287	52.3	46.9	68	29.305	52.4	48.5	77	35.2	58.2	-040	4.7	0.3	28, 24, 0, 1	
21	48.8	5.8	29.333	50.8	45.6	69	29.306	54.3	46.7	57	29.2	.....	-060	0.3	0.1	22, 26, 31, 24
22	45.3	9.8	29.339	47.2	46.1	92	29.320	52.0	49.2	83	32.2	57.7	-150	0.9	0.2	0, 18, 18, 18	
23	48.1	5.2	29.556	52.5	47.5	71	29.588	53.5	49.3	75	29.8	59.6	-182	1.7	0.6	22, 20, 24, 22	
24	52.2	7.6	29.698	55.9	52.4	80	29.677	57.9	53.9	78	34.2	63.6	-170	1.0	0.1	— 20, 28, 24	
26	53.1	1.4	29.460	56.5	49.5	62	29.684	56.1	49.6	64	44.4	61.2		4.8	3.0	28, 31, 24, 24	
27	45.5	10.0	29.709	48.8	48.1	95	29.292	51.8	49.5	86	32.0	51.8	-616	2.6	0.0	— — 14, 2	
28	48.2	2.5	29.750	50.8	45.5	68	29.747	54.3	46.3	55	33.8	58.4		3.1	0.6	28, 26, 24, 30	
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	48.8	4.0	29.975	52.6	46.7	65	29.981	56.3	50.6	68	25.6	59.9		1.8	0.1	— 24, 26, —	
31	55.0	7.8	29.977	57.1	52.1	72	29.967	61.0	55.2	70	41.2	65.8		1.0	0.4	24, 28, 23, 26	

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Sept. 2	57.4	4.6	30.057	61.0	56.2	75	30.013	61.4	55.8	71	-025	2.3	0.5	18, 26, 26, 28
3	49.0	10.0	29.968	52.3	51.3	93	30.041	50.6	48.9	89		1.4	0.2	25, 28, 6, 4
4	48.9	7.0	30.181	52.6	46.9	66	30.160	53.2	48.1	70		0.2	0.1	4, 6, 1, —
5	46.4	7.4	30.128	54.2	50.3	77	30.128	51.2	46.5	71		0.2	0.1	— 15, 4, 7
6	48.2	6.6	30.194	52.2	47.3	70	30.214	53.0	45.9	58	-018	0.7	0.2	2, 4, 4, 4
7	45.8	10.0	30.290	51.0	46.9	75	30.290	50.6	46.5	75		0.2	0.0	— — 2, —
9	47.7	3.2	30.184	53.6	50.6	82	30.134	56.4	52.6	78		0.1	0.0	— — 10, —
10	46.9	6.0	30.129	48.2	47.3	93	30.068	57.9	54.3	80		0.3	0.0	— — — —
11	51.3	5.7	30.072	53.9	51.1	83	30.018	62.4	56.8	71		0.2	0.0	— — — 18
12	50.0	1.9	30.083	51.0	50.5	97	30.051	61.8	57.2	76		0.2	0.0	— — — 28
13	50.9	2.9	30.139	53.3	51.7	90	30.096	61.0	54.3	65		0.2	0.0	— — 8, 4
14	49.2	9.8	30.147	51.6	50.0	90	30.118	56.9	50.6	65		0.1	0.0	— — — —
16	47.7	1.6	30.210	51.7	49.1	84	30.163	59.1	53.3	69		0.2	0.0	— — — —
17	51.3	2.8	30.152	52.0	49.9	87	30.056	61.0	54.6	67		0.1	0.0	— — — —
18	48.8	5.7	29.830	54.2	50.3	77	29.690	58.7	53.5	72		0.5	0.2	— 24, 18, 16
19	52.1	9.9	29.592	58.7	53.6	73	29.538	57.5	54.3	82		0.7	0.2	— 16, 16, 16
20	53.0	10.0	29.440	56.4	54.7	90	29.419	58.1	55.2	84		0.8	0.2	15, 18, 18, 16
21	49.9	10.0	29.042	57.5	56.9	97	29.160	53.6	51.9	90	-760	2.3	0.5	8, 4, 20, 22
23	54.7	8.0	29.657	59.7	55.8	79	29.609	59.9	54.3	70	-040	1.4	0.0	— — — —
24	57.0	6.9	29.572	57.9	54.4	81	29.515	60.0	54.7	72		0.1	0.0	— — — —
25	50.8	7.5	29.517	53.7	51.3	85	29.469	58.9	53.6	71		0.5	0.0	— — 18, 18
26	51.8	7.5	29.396	54.9	51.8	82	29.376	56.0	52.3	79	-112	1.6	0.3	— 16, 18, 16
27	51.1	6.6	29.354	56.9	51.9	73	29.323	55.1	52.3	84		1.5	0.2	20, 19, 24, —
28	47.6	5.7	29.226	51.6	47.7	77	29.296	54.1	47.6	63	-432	4.2	0.8	22, 20, 25, 22
Oct. 30	46.3	5.9	28.997	49.3	45.9	78	28.922	53.2	49.4	78	-524	0.9	0.2	30, 28, 18, 20
1	50.6	5.0	29.265	51.4	50.3	93	29.399	53.3	51.9	92	-140	3.2	1.0	2, 2, 2, 0
2	49.5	10.0	29.616	52.6	50.3	86	29.602	51.8	50.8	94		0.5	0.0	— — 4, —
3	47.4	7.8	29.630	54.2	51.9	87	.....	.....	.....	.....		0.3	0.1	— 20, 20, —
4	49.9	9.2	29.581	54.9	51.1	78	29.521	50.6	49.3	92		0.5	0.1	— 20, 20, 20
5	45.0	1.0	29.435	48.0	45.3	82	.....	.....	.....	.....	-418	3.1	0.1	— 20, 18, —
7	48.2	9.7	28.646	51.2	49.1	87	28.686	49.8	46.6	79	-302	3.1	0.3	24, — 24, 22
8	48.7	9.0	29.281	51.0	46.9	75	29.411	50.6	46.3	74	-025	0.8	0.2	30, 0, 0, 28
9	44.5	2.9	29.708	47.2	43.3	74	29.781	48.2	42.8	65		0.3	0.1	— 2, 2, —
10	43.7	8.3	29.809	46.6	42.7	74	29.710	46.6	44.5	86	-148	1.6	0.5	24, 30, 28, 0
11	38.2	5.9	30.011	40.0	39.1	92	30.094	43.2	40.3	78		6.7	1.1	0, 1, 2, 4
12	40.4	5.9	30.203	43.7	39.1	68	30.145	45.8	43.3	83		0.7	0.0	— — 26, 24
14	47.6	7.2	29.538	50.6	48.5	87	29.513	46.3	42.6	75	-018	2.6	0.8	23, 22, 28, 26
15	40.1	8.4	29.740	43.6	39.1	68	29.697	45.3	41.3	73		1.4	0.4	20, 28, 22, 22
16	50.9	8.4	29.603	54.4	48.9	68	29.641	52.3	48.3	76		2.5	1.4	26, 22, 24, 20
17	50.3	7.6	29.556	52.2	50.4	89	29.607	53.8	50.3	79	-026	2.4	0.5	20, 22, 24, 24
18	52.3	10.0	29.718	52.8	51.1	89	29.621	56.0	53.3	84		1.9	0.8	23, 20, 22, 22
19	51.2	5.6	29.572	53.8	53.5	98	29.580	53.3	50.3	82	-194	2.1	0.4	26, 28, 24, 24
21	38.7	4.6	29.974	38.6	38.3	97	30.030	43.3	40.1	76	-612	3.0	0.8	1, 1, 4, 3
22	36.7	9.2	29.851	40.0	37.3	79	29.491	42.2	40.9	90	-120	2.2	0.3	— 22, 23, 22
23	39.2	5.5	29.107	42.0	38.5	75	29.091	39.5	35.8	72		5.0	0.1	— 31, 0, 31
24	38.1	9.0	29.238	42.5	40.3	84	29.392	42.3	38.0	69	-118	3.0	0.4	— 10, 10, 10
25	39.6	8.4	29.475	41.6	40.1	88	29.484	41.4	38.6	79	-040	3.5	0.1	4, 4, 8, 7
26	37.6	3.4	29.614	38.8	37.6	90	29.640	40.5	37.3	76		0.3	0.0	— 14, 2, —
28	38.7	6.6	29.094	42.0	40.8	91	29.067	39.0	37.3	87	-066	0.2	0.0	24, 27, — —
29	36.2	2.3	29.270	40.0	38.3	87	29.354	38.8	36.5	82		0.2	0.0	— — 4, 24
30	46.0	7.9	29.162	47.3	45.9	91	29.231	49.6	45.8	76	-044	3.1	0.4	20, 22, 22, 24
31	47.5	6.3	29.535	50.0	48.1	88	.....	.....	.....	.....		3.2	0.1	26, 23, 24, —

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky Clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Nov. 1	53.6	10.0	29.466	56.1	54.3	89	29.467	53.1	53.0	99	-0.23	2.4	0.5	20, 16, 22, 23
2	51.7	6.4	29.448	52.2	48.7	79	29.449	50.0	48.3	89		2.5	0.4	— 22, 25, 22
4	41.1	6.1	29.168	43.4	40.6	81	29.291	42.6	38.9	74		7.0	1.9	26, 22, 22, 24
5	49.0	5.5	29.312	51.0	47.6	79	29.392	48.2	43.9	72		4.8	2.1	23, 25, 26, 24
6	46.0	6.2	29.631	47.4	44.7	82	29.680	47.0	45.5	90		3.8	0.6	22, 22, 24, 22
7	49.0	9.5	29.494	50.3	49.3	94	29.259	49.0	47.8	92		6.8	2.3	20, 20, 20, 19
8	44.1	0.7	29.451	45.5	41.1	70	29.664	44.8	40.9	73	-1.50	5.5	2.3	24, 24, 26, 24
9	45.4	9.5	29.933	41.2	40.9	97	29.838	54.0	52.1	88	-0.50	0.9	0.2	— — 20, 20
11	53.5	9.4	29.624	56.1	53.3	84	29.619	53.4	49.5	77		1.5	0.3	22, 22, 23, 25
12	43.1	5.5	29.781	43.8	41.5	83	29.821	43.2	41.3	86		2.2	0.1	28, 28, 28, 20
13	.....	6.5	29.811	39.2	38.3	92	.....	.....	.....	.....		0.1	0.0	— — — —
14	30.5	0.7	30.054	30.7	29.4	89	30.059	31.1	30.2	92		0.4	0.0	— — — —
15	31.8	10.0	29.971	32.2	31.4	93	29.898	34.8	34.6	97		0.1	0.0	— — — —
16	44.6	6.7	29.644	47.0	46.8	99	29.656	42.6	40.9	88	-1.20	0.6	0.1	— 20, 24, 20
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
19	47.8	8.9	28.445	51.5	48.7	83	28.286	46.2	44.5	89	-2.82	2.7	0.4	17, 18, 16, 14
20	44.3	10.0	28.706	46.6	45.6	93	28.956	44.0	42.9	92	-2.76	3.3	0.9	6, 4, 4, 2
21	38.2	7.7	29.404	40.3	39.5	94	29.412	35.2	35.1	99		1.2	0.0	— — 22, —
22	41.4	9.6	29.284	42.2	41.3	94	29.114	46.2	44.3	87	-0.42	0.3	0.0	— — 20, 20
23	45.6	6.9	28.937	47.0	43.6	78	28.983	44.2	42.1	85	-0.43	1.8	0.3	20, 22, 20, 20
25	43.5	5.4	28.500	45.0	41.7	77	28.553	43.8	42.3	89	-3.36	4.2	0.5	24, 20, 22, —
26	39.4	10.0	29.035	40.5	39.9	95	29.282	39.8	38.7	92		1.2	0.3	18, 30, 2, 4
27	32.6	1.4	29.696	34.8	32.1	77	29.794	32.2	29.9	80	-1.96	1.4	0.2	0, 0, 1, 0
28	23.9	0.5	30.065	23.8	23.5	97	30.068	27.6	.....	.....		0.3	0.0	— — — —
29	32.2	8.7	30.070	34.0	32.0	82	30.040	34.2	32.5	84		0.4	0.1	— — 18, 20
30	23.6	0.1	29.977	24.2	23.8	96	29.952	24.8	24.7	98		0.2	0.0	— — — —
Dec. 2	42.7	10.0	29.860	39.0	38.1	92	29.798	47.2	46.5	95		0.5	0.1	16, — — 17
3	43.5	9.5	29.807	44.8	44.1	95	29.728	42.2	41.3	93	-1.42	0.2	0.0	26, 22, 20, —
4	46.3	6.5	29.652	47.2	47.2	100	29.784	45.0	44.1	93	-0.16	0.7	0.0	— 20, — —
5	49.3	10.0	29.856	48.5	48.3	98	29.903	53.0	52.1	94		2.7	0.2	20, 19, 20, 20
6	47.3	1.0	30.128	46.9	44.5	83	30.127	47.2	45.9	91		0.9	0.0	— 20, 20, —
7	37.5	0.2	30.107	36.2	35.9	97	30.068	40.5	39.5	92		0.2	0.0	— — — —
9	29.0	0.0	30.151	29.9	29.4	95	30.114	29.5	29.4	99		0.0	0.0	— — — —
10	27.4	3.5	29.935	27.3	26.4	91	29.844	30.7	30.0	94		0.0	0.0	— — — —
11	36.9	7.5	29.582	35.5	33.9	87	29.497	41.8	40.9	93		1.0	0.0	— — — 20
12	42.0	1.6	29.538	44.0	42.3	88	29.532	41.2	39.9	90		1.7	0.6	20, 22, 20, 20
13	43.3	9.2	29.384	43.6	41.8	87	29.255	44.2	42.5	88		2.3	0.6	20, 19, 20, 18
14	38.3	6.3	29.168	37.2	35.8	89	28.758	41.0	40.3	95	-0.28	5.1	0.6	— 16, 18, 20
16	39.2	3.5	28.669	39.8	33.1	87	28.634	37.6	36.3	90	-0.15	3.8	0.7	22, 20, 22, 24
17	34.7	8.1	28.706	35.6	35.3	98	28.753	33.0	32.5	95		0.8	0.1	24, 18, — —
18	28.7	0.4	29.181	29.1	27.8	89	29.134	26.4	26.4	100		0.8	0.0	— — — —
19	29.5	1.5	29.405	28.1	28.0	99	29.561	32.8	31.2	87		0.0	0.0	— — — —
20	27.9	5.2	29.962	27.7	26.9	92	29.969	29.8	29.0	92		0.0	0.0	— — — —
21	41.2	8.4	29.765	42.5	40.3	83	29.856	41.0	39.1	85		0.9	0.4	— 20, 20, 24
23	43.4	9.1	30.229	43.4	41.6	87	30.206	44.0	42.9	92		2.5	0.5	22, 22, 20, 23
24	43.6	10.0	30.042	44.6	43.6	93	29.803	42.8	40.7	84		3.0	0.5	22, 22, 24, 22
25	41.1	2.6	29.506	41.8	37.6	70	29.624	44.6	41.7	80	-0.55	5.3	2.5	26, 26, 28, 26
26	46.2	8.9	29.796	49.2	47.3	87	29.876	44.8	43.1	88	-0.16	1.6	0.4	— 24, 24, 28
27	46.5	5.4	29.779	47.7	46.3	90	29.803	45.5	41.3	71		3.1	0.6	24, 18, 24, 26
28	42.3	0.6	29.775	43.6	39.7	72	29.831	42.2	38.5	72		5.0	2.7	24, 30, 28, 28
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
31	43.2	8.5	29.311	39.2	38.1	91	29.109	49.2	49.1	99	-1.58	4.2	0.2	20, — 18, 20

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstown Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstown Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Jan. 1	49.0	9.4	29.127	49.0	47.1	88	29.121	48.2	46.3	88	.200	4.0	0.8	20, 20, 20, 19
2	41.0	5.7	29.299	42.6	40.5	85	29.469	39.2	38.3	93	.406	6.9	0.1	22, 18, — —
3	30.3	0.0	29.818	31.7	31.4	97	29.797	31.8	31.4	97		0.1	0.0	— — — —
4	31.0	7.1	29.598	28.9	29.0	100	29.464	37.2	36.5	94	.190	0.4	0.0	— — — —
6	35.9	8.2	29.422	36.7	35.8	92	29.411	37.2	36.7	96	.054	0.1	0.0	— — — —
7	29.0	10.0	29.269	26.1	26.4	100	29.141	31.1	31.2	100		0.0	0.0	— — — —
8	34.4	9.9	29.219	34.2	34.2	100	29.140	36.6	35.5	91	.407	0.2	0.0	— — — —
9	35.6	4.0	29.439	36.2	33.8	80	29.625	33.6	32.6	91	.493	4.3	0.7	30, 26, 29, —
10	42.7	7.8	29.534	37.8	37.8	100	29.558	47.8	47.1	95	.225	0.3	0.0	— — 26, 20
11	49.0	10.0	29.638	49.0	47.9	93	29.592	48.2	48.1	99		2.5	0.4	18, 22, 20, 18
13	47.9	9.8	29.240	49.0	46.5	84	29.132	47.5	45.8	89	.172	2.7	1.2	18, 18, 20, 18
14	45.7	10.0	29.107	47.0	45.3	88	29.042	47.0	45.1	87	.132	2.2	0.8	18, 16, 18, 17
15	42.1	10.0	28.870	40.6	38.9	87	28.805	44.6	42.5	86		3.2	0.5	15, 16, 18, 16
16	40.5	6.2	29.232	39.0	36.8	83	28.876	45.0	43.3	88		5.0	2.0	— 18, 20, 20
17	41.1	4.0	29.047	41.8	38.8	78	29.122	41.0	38.1	78	.212	4.2	0.7	22, 22, 20, 20
18	37.2	6.1	29.578	36.7	35.8	92	29.671	39.2	37.5	86		2.0	0.1	— 22, 20, —
20	45.7	10.0	29.228	45.3	43.9	90	28.957	46.5	44.9	89	.112	4.3	2.6	18, 18, 20, 19
21	36.3	3.4	29.045	37.8	35.8	84	29.076	35.5	33.8	86	.326	4.4	0.3	— 20, 22, 18
22	37.7	5.0	29.316	39.0	36.5	81	29.562	37.2	35.8	88		3.2	0.9	24, 22, 22, 20
23	39.2	5.0	29.999	38.5	37.5	92	30.005	41.3	40.1	90		1.1	0.1	— 20, 19, 20
24	38.9	5.0	29.907	40.8	38.8	84	.....	.....	.....	.....		1.1	0.1	20, 19, — —
25	36.8	10.0	29.619	37.0	36.3	94	29.562	37.0	36.3	94	.192	1.1	0.2	18, 18, 18, 18
27	36.9	7.7	29.436	36.8	36.3	96	29.568	36.0	34.9	91		1.8	0.0	— 20, 20, —
28	39.4	6.1	29.443	40.8	39.5	91	29.358	38.5	37.3	90	.020	2.5	0.1	18, 20, 20, 20
29	46.3	9.7	29.075	48.6	47.3	92	28.957	46.5	44.3	86	.042	3.7	1.5	18, 18, 20, 20
30	35.4	4.9	29.038	37.4	35.3	83	28.988	34.0	32.9	91	.025	1.6	0.5	20, 18, 24, —
31	32.6	6.4	28.927	33.4	32.2	90	29.005	36.7	35.3	89	.154	0.4	0.1	— 30, 30, 1
Feb. 1	37.5	6.9	29.423	35.2	34.8	97	29.407	37.0	35.8	90	.292	1.7	0.4	0, 2, 2, 2
3	36.0	9.8	29.094	36.2	35.3	92	29.111	39.5	38.3	91	.155	1.8	0.2	18, 20, 20, 20
4	34.7	1.0	29.550	36.3	35.3	92	29.598	38.0	35.6	81		0.3	0.0	— — 21, 20
5	43.6	9.6	29.101	45.0	44.3	95	28.894	48.5	46.8	89	.068	3.3	0.3	20, 20, 19, 20
6	39.4	2.0	29.355	39.2	35.6	72	29.645	39.2	34.9	67	.030	3.7	0.9	28, 26, 25, 24
7	35.9	9.4	29.445	46.6	44.8	88	29.352	48.6	46.9	88	.008	5.0	1.5	23, 23, 20, 22
8	41.3	0.7	29.453	43.0	39.3	74	29.795	43.5	40.9	81		4.3	1.1	26, 26, 30, 28
10	43.5	10.0	30.069	44.4	43.3	92	30.005	45.0	43.8	91		1.1	0.1	— — 22, 24
11	45.6	8.5	29.861	46.7	46.1	96	29.872	46.3	46.1	98		1.2	0.1	20, 21, 20, 20
12	39.7	10.0	29.804	44.0	42.1	86	29.777	37.2	36.9	97	.115	1.0	0.0	— — — —
13	35.7	4.5	29.879	46.2	33.6	79	29.856	38.0	35.1	77	.310	0.1	0.0	— — 12, —
14	41.6	10.0	29.910	42.9	41.7	90	29.906	44.6	43.5	92		0.7	0.1	— — 21, 20
15	44.0	8.8	29.928	45.3	43.1	84	29.925	46.5	43.6	80		2.7	0.3	20, 20, 24, 20
17	41.1	6.2	29.634	41.3	40.5	94	29.635	45.7	42.3	77		1.6	0.3	18, 19, 24, 21
18	47.0	10.0	29.341	46.3	45.8	97	29.270	50.3	48.3	87		5.2	2.1	20, 20, 22, 20
19	49.8	8.5	29.246	53.3	50.8	85	29.201	51.0	48.7	86		5.0	2.4	20, 22, 22, 22
20	40.5	4.0	29.392	42.8	38.9	72	29.425	44.0	38.8	64		3.8	0.6	23, 24, 28, 25
21	37.7	0.5	29.663	40.6	37.8	79	29.696	44.2	39.6	69		0.9	0.0	20, — — 24
22	32.3	2.9	29.801	30.4	30.0	95	29.740	42.2	38.1	70		0.1	0.0	— — — —
24	33.4	10.0	29.670	37.2	35.9	89	29.640	41.8	40.3	89		0.3	0.0	— — — 7
25	38.3	9.7	29.834	41.0	37.3	72	29.907	39.2	36.5	78		1.8	0.6	6, 8, 6, 5
26	36.4	9.2	30.246	38.5	34.9	72	30.267	38.6	35.3	74		1.5	0.3	4, 4, 2, 2
27	34.3	6.6	30.279	38.0	35.3	78	30.257	37.6	35.5	83		0.9	0.3	0, 0, 1, 1
28	35.0	8.1	30.245	34.8	32.5	80	30.112	40.2	35.9	68		1.7	0.2	28, 30, 30, 28

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Mar. 1	36.3	9.4	30.077	37.6	33.9	70	30.055	39.5	35.5	69		2.3	0.8	1, 30, 0, 2
3	40.9	4.2	29.884	43.0	40.1	78	29.822	46.0	42.8	78		0.5	0.1	24, 24, 24, 24
4	43.2	6.5	29.737	46.3	41.7	69	29.639	45.6	42.2	77		1.4	0.4	20, 22, 20, 22
5	42.2	6.6	29.417	49.0	45.2	76	29.437	42.0	36.3	59	0.46	2.2	0.4	— 0, 0, 31
6	37.0	6.7	29.660	40.0	35.9	69	29.716	40.5	35.9	67		3.4	0.8	28, 0, 0, 0
7	33.6	6.9	29.720	36.0	32.7	72	29.632	41.0	37.3	72		0.9	0.1	— 20, 18
8	40.9	10.0	29.752	40.6	39.5	91	29.719	42.8	41.5	90		0.4	0.1	20, 20, — 20
10	37.5	10.0	29.432	39.8	36.7	76	29.498	42.8	37.5	62	0.117	3.2	0.2	— 30, 0, 30
11	36.3	1.8	29.789	38.0	35.8	82	29.681	43.6	39.3	70		0.3	0.1	— — 20, 20
12	38.1	10.0	29.370	38.0	37.9	99	29.182	43.2	41.4	87	0.380	0.4	0.0	— 18, — 8
13	39.2	7.6	29.432	41.8	40.3	89	29.414	44.8	40.9	73		0.4	0.1	— — 20, 22
14	38.8	5.0	29.476	41.5	39.9	88	29.456	43.0	39.5	75		1.2	0.2	— 20, 20, 20
15	42.8	8.4	29.527	45.0	42.5	83	29.547	47.0	43.9	80	0.050	0.6	0.0	16, — — —
17	36.2	9.8	29.520	38.4	37.1	89	29.476	42.2	38.5	73	0.100	0.4	0.1	— — 12, 14
18	37.1	10.0	29.348	38.8	36.6	83	29.074	39.6	38.3	90		2.7	0.9	16, 15, 20, 18
19	42.4	9.4	29.199	45.8	42.6	78	29.182	43.2	41.3	87	0.090	1.4	0.5	22, 24, 28, 8
20	42.7	5.9	29.078	46.8	44.1	82	29.054	44.8	42.5	84	0.110	1.1	0.2	— 4, — 8
21	39.3	8.7	28.920	42.0	40.9	92	28.836	46.2	43.9	85	0.100	0.9	0.4	— 16, 16, 17
22	43.0	6.5	28.802	45.0	41.9	78	28.782	46.0	43.3	82	0.132	2.2	0.2	20, 18, 14, 14
24	40.7	10.0	29.277	42.2	41.3	93	29.397	43.5	42.1	90	0.268	2.5	0.6	2, 2, 2, 2
25	40.8	10.0	29.484	41.6	40.5	92	29.418	44.4	42.3	85	0.137	1.2	0.2	8, 9, 14, 14
26	40.0	10.0	29.071	42.4	42.1	98	28.836	40.2	39.5	94	0.153	1.2	0.2	6, 4, 4, 22
27	43.4	7.1	29.066	44.6	42.6	87	28.971	51.2	45.8	68	0.564	3.4	0.6	25, 28, 20, 22
28	41.5	6.4	29.212	45.0	39.1	60	29.284	44.6	39.3	64	0.270	5.6	1.7	24, 24, 26, 24
29	42.1	5.5	29.106	46.3	41.3	67	29.067	45.6	39.1	57	0.022	2.7	1.1	20, 22, 28, 28
31	42.3	9.4	29.849	.....	.....	.....	29.761	47.0	42.5	70	0.015	3.1	0.5	28, 30, 28, 28
April 1	42.0	9.9	29.851	45.2	41.9	76	29.774	46.8	41.3	64	0.036	1.2	0.2	24, — 20, 24
2	43.2	8.7	29.654	45.7	40.9	68	29.650	48.4	44.1	72		1.3	0.4	20, 22, 24, 20
3	44.0	3.6	29.878	48.0	41.9	60	29.906	50.4	43.3	56		0.9	0.2	28, 0, 30, 31
4	42.9	7.5	29.993	44.3	40.8	75	29.895	48.0	42.1	61	0.065	0.6	0.2	— 0, 4, 4
5	38.4	7.7	29.837	43.0	38.5	68	29.833	42.2	37.6	66		0.4	0.2	12, 12, 8, 6
7	42.8	9.0	29.908	49.5	44.8	70	29.916	46.6	43.3	78		0.1	0.0	— — — —
8	36.6	9.2	30.006	38.0	35.9	82	29.944	41.6	39.6	85		0.3	0.1	— — 4, 4
9	39.1	8.4	29.781	42.0	39.5	81	29.741	43.8	40.0	73		0.8	0.3	4, 4, 4, 4
10	40.5	3.2	29.832	44.4	39.9	68	29.874	46.5	45.3	91		0.8	0.2	1, 2, — 4
11	40.5	5.6	29.855	46.8	42.9	74	29.809	46.6	41.5	66		0.3	0.0	— — 4, —
12	40.6	9.4	29.796	44.8	40.9	72	29.794	44.6	40.5	71	0.036	1.6	0.3	0, 4, 4, 8
14	39.9	9.9	29.843	43.2	38.3	65	29.811	44.0	38.3	60		0.4	0.2	1, 3, 4, 4
15	39.6	8.7	29.670	42.8	38.5	70	29.680	44.4	40.3	71		0.6	0.3	— 4, 4, 6
16	40.6	10.0	29.691	44.3	40.9	76	29.678	44.4	41.5	80		0.4	0.2	8, 8, 8, 6
17	41.4	10.0	29.520	42.0	40.7	90	29.495	48.0	41.1	56	0.095	0.5	0.1	8, 10, 16, 6
18	48.6	7.6	29.462	51.2	48.1	81	29.411	51.2	48.1	81		2.3	0.5	20, 20, — 20
19	45.6	3.7	29.591	47.8	43.3	71	29.547	50.8	45.9	70	0.250	4.3	0.9	20, 20, 20, 20
21	47.6	5.5	29.102	50.5	46.8	77	29.090	52.0	46.5	68	0.404	2.8	0.5	22, 20, 20, 20
22	47.6	4.0	29.056	51.7	47.6	75	29.177	52.8	46.5	64	0.060	2.0	0.4	20, 20, 22, 24
23	43.2	8.5	29.391	44.8	43.3	89	29.438	48.3	44.6	76	0.166	1.2	0.4	— 4, 4, 8
24	41.9	9.6	29.619	45.8	44.3	89	29.634	49.5	45.3	73		0.2	0.0	— — — —
25	44.3	9.1	29.719	47.6	44.3	78	29.653	48.3	43.6	70		0.3	0.0	24, 28, — —
26	38.3	8.4	29.586	39.5	37.3	82	29.533	43.3	38.5	66	0.462	1.1	0.4	2, 1, 1, 2
28	37.2	10.0	29.314	40.2	38.3	86	29.314	39.5	38.3	90	0.188	2.0	0.4	30, 30, 2, 0
29	37.0	7.5	29.328	38.4	36.8	87	29.319	44.6	40.3	71	0.352	1.9	0.2	2, 0, 2, 4
30	39.6	6.0	29.430	44.8	42.1	81	29.496	45.0	39.5	63	0.260	1.4	0.4	20, 8, 6, 8

* See Introduction for a description of the methods by which these means have been obtained.

DAILY METEOROLOGICAL OBSERVATIONS DURING MAY AND JUNE, 1851.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M. Makersstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makersstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
May 1	44.0	6.9	29.406	48.2	41.9	60	29.410	46.8	42.7	73		1.5	0.3	24, 24, 28, 0
2	40.5	9.2	29.602	45.4	39.5	60	29.639	44.5	40.1	69	-110	2.7	1.2	4, 4, 4, 4
3	37.8	8.5	29.627	42.8	37.8	64	29.639	41.6	36.5	63	-020	3.1	1.1	2, 2, 4, 2
5	39.2	10.0	29.646	41.7	40.3	89	.....	.....	.....	.....	-420	4.6	1.6	4, 4, — —
6	43.3	9.5	29.663	44.5	40.9	75	29.629	48.5	43.5	68	-100	1.8	0.4	2, 30, 2, 4
7	46.2	9.6	29.505	49.5	43.5	63	29.468	49.6	46.6	81		0.4	0.1	20, 30, 30, 20
8	50.2	9.3	29.384	53.2	47.8	68	29.345	54.9	47.5	59		1.5	0.4	16, 18, — 17
9	52.4	9.9	29.423	55.6	49.1	64	29.416	57.4	50.3	62		1.9	0.7	18, 14, 14, 14
10	52.5	4.0	29.559	59.5	56.4	83	29.575	54.1	47.6	63		2.2	0.7	4, 16, — 14
12	46.4	9.8	29.902	50.6	45.0	66	29.962	48.8	44.5	72		0.4	0.1	— 6, — 8
13	48.1	2.0	30.139	52.0	45.5	61 ^b	30.122	56.4	48.1	55		0.3	0.1	— 10, 4, 14
14	52.6	0.4	30.183	56.1	48.8	59	30.094	61.8	50.3	44		0.4	0.1	— 22, 20, 20
15	51.8	3.5	29.972	55.3	47.8	58	29.899	56.2	46.9	50		1.7	0.4	— 20, 20, 20
16	51.7	9.7	29.768	53.8	50.5	80	29.734	55.2	50.5	73		1.0	0.2	20, 20, 22, —
17	53.8	9.4	29.667	56.9	51.9	73	29.605	59.8	53.3	66		0.7	0.1	— — 20, 20
19	47.6	4.2	29.397	50.6	44.1	61	29.515	52.6	49.6	82	-095	4.2	2.2	25, 25, 28, 30
20	50.1	6.7	29.874	54.4	48.1	64	29.924	52.8	47.3	68		2.9	0.6	26, 30, 26, 26
21	56.8	8.6	29.889	61.6	55.2	67	29.936	59.1	55.0	78	-056	1.3	0.6	28, 28, 30, 24
22	54.1	6.6	29.875	60.6	53.3	62	29.889	56.4	52.9	80		2.6	1.3	26, 25, 28, 28
23	50.7	7.5	30.043	53.9	47.1	61	30.024	56.5	47.5	51		2.5	0.2	— 25, 30, 24
24	53.6	6.0	30.073	56.2	46.9	49	29.987	54.6	50.0	73		1.5	0.2	— — 16, 22
26	47.6	9.1	29.723	52.8	46.3	62	29.795	50.0	44.6	66		1.9	0.5	0, 31, 4, 4
27	51.0	8.2	29.782	55.7	49.3	64	29.794	58.7	52.8	68		0.6	0.2	28, 24, 31, 8
28	56.8	4.7	29.978	60.0	53.1	64	29.981	65.3	55.2	53		1.5	0.2	23, 28, 31, 26
29	59.5	6.9	30.154	60.6	54.7	69	30.137	65.0	58.0	66		1.2	0.1	28, 30, 20, 28
30	54.3	4.1	30.204	60.8	54.2	66	30.231	56.1	50.3	67		1.2	0.3	27, 26, 4, 8
31	57.9	0.9	30.265	59.3	56.5	84	30.167	68.3	54.8	41		0.3	0.0	— — 24, 0
June 2	56.6	9.9	29.828	59.5	55.0	76	29.744	58.6	54.6	78		2.6	0.7	22, 22, 22, 20
3	48.0	10.0	29.347	53.9	51.5	86	29.330	41.6	41.0	96		3.6	1.4	22, 22, 23, 4
4	45.1	4.2	29.528	47.2	42.1	67	29.548	53.4	43.9	47	-549	1.8	0.2	24, 28, 25, 28
5	45.7	7.5	29.321	48.6	46.8	88	29.333	49.2	45.1	74		1.8	0.3	12, 20, 24, 24
6	49.0	5.7	29.394	53.0	45.3	56	29.481	54.9	47.9	61	-100	2.4	0.4	20, 24, 24, 20
7	43.3	9.4	29.642	57.1	55.4	90	29.555	55.9	50.5	70	-048	1.2	0.1	24, 22, 24, 17
9	52.1	7.4	29.585	56.1	49.5	64	29.585	55.7	49.9	68	-310	5.7	0.3	28, 28, 26, 12
10	46.6	9.9	29.465	50.5	45.3	68	29.450	52.8	47.1	66	-158	2.5	0.1	2, 4, 24, 28
11	49.9	8.0	29.602	56.3	49.5	63	29.610	54.7	50.9	78	-085	2.2	0.5	28, 24, 31, 26
12	46.5	10.0	29.266	49.0	49.1	100	29.239	52.5	52.6	100	-668	1.6	0.1	12, 6, 4, 4
13	49.5	10.0	29.528	50.6	47.5	81	29.657	57.4	56.4	94	-372	0.3	0.1	2, 4, 2, —
14	52.1	8.2	29.738	57.3	50.5	63	29.751	54.9	52.5	86		0.9	0.2	— 26, 24, 20
16	50.8	6.5	29.298	53.9	51.1	83	29.428	53.9	49.5	75	-420	5.7	2.5	24, 24, 24, 22
17	51.0	3.6	29.877	50.0	47.3	82	30.016	57.1	48.1	52		4.0	1.0	28, 29, 28, 0
18	52.0	10.0	30.008	50.2	48.6	89	29.820	60.6	57.0	81	-030	1.8	0.7	20, 22, 25, 26
19	55.9	9.7	29.640	58.1	51.6	65	.....	.....	.....	.....		3.8	2.7	28, 24, 28, —
20	54.9	10.0	29.797	58.2	54.0	77	29.786	60.0	56.4	81	-090	3.7	0.1	28, 18, — 20
21	61.4	9.9	29.599	64.8	59.0	72	29.484	68.4	61.3	67	-183	0.6	0.2	22, 20, 20, 20
23	51.7	8.2	29.899	55.1	48.7	64	29.934	55.7	49.6	65		1.7	0.6	27, 0, 31, 0
24	55.4	9.0	29.922	59.3	54.4	74	29.892	58.2	55.3	83		0.7	0.3	22, 24, 24, 23
25	58.0	10.0	29.859	61.6	57.4	78	29.870	60.6	58.2	87		1.0	0.4	28, 0, 26, 22
26	59.0	7.2	29.887	62.3	56.8	72	29.894	64.4	58.4	70		2.2	0.8	24, 26, 22, 23
27	64.2	0.2	29.977	69.3	62.7	70	29.930	70.0	62.3	65		0.6	0.1	24, — — 2
28	69.2	4.0	29.927	70.0	63.1	68	29.871	81.9	71.9	62		0.1	0.0	— — — —
30	70.0	1.7	29.928	75.2	61.1	44	29.890	77.0	64.1	49		0.4	0.1	— — 16, 17

* See Introduction for a description of the methods by which these means have been obtained.

DAILY METEOROLOGICAL OBSERVATIONS DURING JULY AND AUGUST, 1851.

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Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
July	1	68.2	7.0	29.832	71.6	61.1	55	29.753	76.3	65.3	56		0.2	0.0	— — — 15
	2	51.4	10.0	29.927	56.7	53.5	81	29.979	52.2	50.6	89		1.6	0.6	2, 2, 1, 2
	3	49.8	3.8	30.018	53.9	48.4	68	29.981	54.4	48.1	63		1.8	0.4	1, 2, 2, 4
	4	55.4	0.5	29.854	58.2	50.9	61	29.767	63.4	56.2	65		0.5	0.1	— 8, 2, 2
	5	56.7	6.7	29.742	60.0	52.5	61	29.721	63.1	55.5	62		0.2	0.1	— — 0, 22
	7	58.7	9.8	29.687	63.8	59.0	76	29.635	59.6	58.5	94		0.4	0.1	26, 27, 28, 24
	8	53.2	7.2	29.526	55.2	52.6	85	29.589	57.9	53.3	75	358	1.2	0.4	30, 2, 1, 4
	9	50.9	10.0	29.508	56.1	51.3	73	29.422	53.8	50.5	81		0.6	0.0	— — — —
	10	47.4	8.2	29.537	50.0	45.8	73	29.616	54.3	47.3	60	397	0.5	0.1	4, 4, 0, 2
	11	54.0	10.0	29.764	56.1	50.7	70	29.700	57.5	56.0	91		2.0	0.4	— 20, 20, —
	12	58.0	10.0	29.622	61.2	56.5	76	29.492	61.8	60.4	92		1.5	0.6	22, 20, 20, 25
	14	54.8	9.9	28.700	59.1	55.4	80	28.830	56.2	52.9	81	182	4.0	1.2	20, 22, 20, 20
	15	53.1	7.1	29.262	57.4	51.9	70	29.318	57.2	50.5	64		4.0	0.5	23, 24, 20, 20
	16	52.4	9.6	29.476	55.6	52.1	80	29.525	58.7	51.9	64		1.3	0.0	— — — —
	17	54.6	5.9	29.629	59.1	52.3	64	29.632	60.3	54.2	68	040	0.2	0.0	— — — 15
	18	54.0	3.1	29.641	58.1	51.6	65	.....	.....	.....	.....		0.3	0.0	— — 30, —
	19	56.0	7.7	29.649	62.4	53.9	58	29.566	58.7	53.9	74		0.4	0.0	— — — 14
	21	55.2	8.6	29.529	57.6	53.0	75	29.616	60.6	53.5	64	552	2.0	1.2	22, 23, 20, 26
	22	53.8	5.6	29.814	60.6	54.2	67	29.773	59.4	55.4	78	450	1.2	0.0	— — — —
	23	57.5	10.0	29.601	63.3	55.4	62	29.532	57.5	52.8	74		0.4	0.1	— — 10, 4
	24	54.3	4.2	29.423	57.7	51.5	66	29.405	57.4	50.0	60		0.6	0.2	4, 4, 4, 4
	25	52.4	9.8	29.345	54.3	50.7	79	29.347	55.9	51.7	76		0.9	0.5	4, 4, — 2
	26	55.1	8.2	29.382	57.7	52.3	70	29.407	61.9	58.6	83		0.2	0.1	— — 20, —
	28	59.2	7.7	29.362	64.4	60.6	81	29.374	64.4	60.3	80	420	1.6	0.3	18, 20, 20, 18
	29	57.5	9.4	29.486	63.8	60.1	81	29.558	56.1	55.7	98		1.8	0.0	— — — 2
	30	52.6	10.0	29.820	55.4	54.2	92	29.822	55.2	54.6	96	250	1.1	0.1	4, 4, — 6
	31	57.6	10.0	29.530	58.7	58.0	96	29.475	63.5	61.6	90	122	0.4	0.1	18, 20, 19, 24
Aug.	1	56.4	9.0	29.539	60.8	54.7	68	29.536	61.1	55.2	70		0.3	0.0	— — 18, 26
	2	58.2	6.9	29.714	62.1	56.9	74	29.713	62.3	56.8	72		0.8	0.0	— — 20, 20
	4	57.3	1.7	29.919	61.0	52.9	59	29.991	64.6	55.9	58	468	0.1	0.0	— — — —
	5	56.3	4.2	30.168	60.3	55.5	74	30.121	66.1	59.4	68		0.2	0.0	— — — 6, —
	6	54.6	4.2	30.148	56.2	53.3	83	30.093	70.3	59.6	53		0.1	0.0	— — — 2, —
	7	54.6	3.2	30.090	60.0	54.6	71	30.047	58.7	54.9	79		0.4	0.1	— 8, 6, 6
	8	52.2	8.0	30.009	54.6	52.3	86	29.954	59.8	55.6	77		0.2	0.0	— — — 4, —
	9	52.5	10.0	29.904	55.3	52.3	82	29.880	57.0	52.8	76		0.1	0.0	— — — —
	11	56.1	10.0	29.863	61.8	57.2	76	29.808	61.3	58.2	83		0.1	0.0	— — — 12
	12	63.6	7.8	29.784	66.4	62.6	82	29.738	71.5	65.2	72	280	0.2	0.0	— — — —
	13	60.9	9.7	29.640	64.3	61.9	88	29.591	66.7	62.3	79	435	0.4	0.1	— — 21, 14
	14	58.4	9.2	29.482	66.2	61.7	78	29.437	57.9	57.2	96		0.4	0.0	18, — — 24
	15	59.9	5.1	29.580	64.8	60.7	80	29.599	67.2	60.7	69	1121	0.3	0.1	22, 25, 24, 25
	16	54.6	8.6	29.761	58.0	55.1	83	29.729	59.9	56.0	79		0.6	0.0	— 4, 4, —
	18	50.6	8.4	29.983	54.2	49.2	71	30.013	57.1	50.8	65	1519	0.2	0.0	— — — —
	19	57.6	8.4	30.010	59.9	57.7	88	29.949	63.3	59.2	79	028	1.8	0.1	— 20, 20, 20
	20	58.2	9.9	29.943	62.5	57.6	75	29.890	63.8	59.2	77		2.2	0.0	— — — —
	21	60.5	8.1	29.611	63.4	61.2	88	29.524	68.6	63.4	76		2.7	0.8	20, 20, 20, 18
	22	59.0	9.9	29.585	62.0	58.0	79	29.492	63.4	60.8	87		1.3	0.2	20, 18, 18, 20
	23	55.4	7.7	29.460	60.8	56.2	76	29.461	54.4	52.5	89		2.6	0.1	20, 20, 20, 22
	25	52.8	5.7	29.712	57.5	51.4	66	29.788	57.0	50.4	64	870	1.0	0.2	26, 18, 23, 20
	26	54.4	10.0	29.466	58.8	56.1	55	29.354	60.6	58.7	90	140	2.5	0.2	16, 16, 16, 20
	27	55.1	8.7	29.491	60.0	54.7	72	29.504	57.7	53.2	75	058	2.8	0.2	26, 20, 21, 22
	28	51.3	4.6	29.435	55.1	49.0	66	29.457	57.7	50.0	59		2.8	0.1	22, 28, 26, 24
	29	48.5	7.7	29.563	49.8	45.1	70	29.708	53.1	48.0	70		3.3	0.1	30, 30, 0, 0
	30	49.6	7.8	29.969	52.1	46.7	67	29.974	56.6	50.2	64		0.8	0.0	— 30, — —

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Sep.	1	57.7	10.0	29.884	62.3	59.9	87	29.832	62.2	60.3	90	-0.23	1.1	0.0	18, 20, 20, 20
	2	63.7	5.9	29.859	65.6	61.4	79	29.849	71.5	65.2	72		0.3	0.0	— — 24, 26
	3	64.4	5.1	29.939	68.9	63.5	75	29.926	67.2	62.5	77		0.3	0.0	— — 26, —
	4	54.1	8.3	29.943	59.1	55.1	79	29.918	56.6	52.3	76		0.2	0.0	— — — —
	5	48.7	3.9	30.092	53.3	49.2	75	30.114	53.9	48.8	70		0.8	0.1	5, 2, 4, 4
	6	48.0	4.4	30.255	51.8	47.0	71	30.273	52.3	47.2	69	0.2	0.0	— 4, — —	
	8	50.7	7.2	30.383	56.8	50.9	67	30.354	55.2	50.0	70	0.2	0.0	— — — 8, 8	
	9	48.8	3.2	30.295	52.1	51.9	98	30.237	58.3	57.3	94	0.2	0.0	— — — —	
	10	51.1	3.7	30.277	57.0	52.4	74	30.238	62.2	55.0	64	0.0	0.0	— — — —	
	11	52.1	0.6	30.241	57.2	52.4	73	30.185	64.8	56.1	58	0.0	0.0	— — — —	
	12	51.7	0.6	30.183	57.2	54.0	81	30.118	65.8	58.7	66	0.0	0.0	— — — —	
	13	52.4	0.5	30.112	57.1	51.9	71	30.089	64.5	58.4	70	0.1	0.0	— — — —	
	15	54.3	5.2	30.361	57.6	54.5	83	30.371	62.1	57.3	75	0.2	0.0	— — — —	
	16	50.0	2.7	30.416	52.6	50.8	89	30.377	60.3	56.3	78	0.1	0.0	— — — —	
	17	47.7	9.9	30.385	50.2	48.5	89	30.321	54.9	52.2	84	0.0	0.0	— — — —	
	18	50.3	9.8	30.171	53.2	50.2	82	30.083	54.5	50.9	79	0.0	0.0	— — — —	
	19	49.2	8.0	29.941	51.4	48.7	83	29.860	54.5	51.0	79	0.0	0.0	— — — —	
	20	52.6	5.4	29.912	54.2	.....	.....	29.880	60.6	54.5	68	0.0	0.0	— — — —
	22	53.2	7.2	29.765	59.6	56.7	84	29.756	59.4	57.8	91	0.5	0.1	— 18, 20, 20	
	23	57.2	9.0	29.931	60.3	56.7	81	29.962	58.9	57.9	95	0.1	0.0	— — — —	
24	55.3	8.6	29.866	59.9	57.4	86	29.738	57.6	55.5	88	-0.60	0.2	0.0	— — 20, 20	
25	44.5	10.0	29.458	46.3	45.2	92	29.491	42.5	42.3	98	-503	3.0	1.5	— 4, 2, 0	
26	40.7	10.0	29.335	43.8	42.5	91	29.316	42.8	42.9	100	1.040	8.7	3.3	30, 30, 0, 30	
27	44.5	10.0	29.371	47.0	45.8	91	29.486	48.4	46.4	87	-355	4.5	0.3	31, — 31, —	
Oct.	29	47.6	8.7	29.481	53.6	47.6	66	29.336	51.2	47.5	77	-172	0.5	0.1	— 20, 18, —
	30	50.8	9.3	29.016	52.5	50.3	87	28.944	56.4	51.0	86		4.2	1.0	14, 14, 16, 17
	1	50.9	3.7	28.873	53.5	49.0	74	28.895	49.2	42.2	57		4.2	0.3	— 16, 15, 16
	2	49.6	4.7	28.932	53.8	49.1	73	29.038	56.1	50.2	68		2.4	0.1	— 16, 16, 14
	3	51.0	9.7	29.215	52.9	50.8	87	29.204	55.7	51.8	78		0.2	0.1	14, 18, 18, —
	4	49.7	5.7	29.060	53.8	51.8	88	29.096	51.4	46.5	71	1.0	0.1	— 22, 20, 19	
	6	45.7	5.5	29.264	48.3	45.1	79	29.345	47.5	44.2	79	1.7	0.5	20, 22, 20, 20	
	7	47.7	6.7	29.064	50.2	48.8	91	29.146	49.2	44.9	73	5.0	1.1	18, 20, 20, 20	
	8	47.3	3.5	29.467	50.6	45.3	69	29.536	50.6	45.5	69	-238	3.0	0.4	22, 24, 26, 20
	9	46.6	10.0	29.550	46.7	44.7	86	29.494	52.4	49.5	82	0.4	0.0	— — — —	
	10	53.0	9.0	29.669	55.9	52.0	78	29.740	55.4	50.2	70	0.8	0.1	— — 24, 24	
	11	56.0	8.1	29.708	59.1	56.2	84	29.650	57.7	54.7	83	3.8	1.5	20, 18, 20, 18	
	13	52.3	7.0	29.514	57.5	54.5	83	29.592	52.4	46.2	63	-076	3.0	0.9	18, — 20, 20
	14	49.4	4.9	29.525	52.7	48.9	77	29.520	50.6	46.5	74	1.7	0.5	22, 22, 20, —	
	15	45.5	3.4	28.943	47.8	45.3	84	28.951	46.0	41.5	71	-118	3.6	0.4	18, 20, 20, 20
	16	42.3	1.7	29.126	45.2	42.5	81	29.219	46.2	42.6	76	1.0	0.0	— — — —	
	17	44.8	4.0	29.523	46.2	43.3	80	29.543	49.0	44.3	70	0.3	0.0	— — — —	
	18	52.5	10.0	29.415	55.8	53.9	89	29.423	56.6	54.4	87	3.1	0.8	22, 21, 20, 20	
	20	52.1	10.0	29.806	52.8	51.4	91	29.760	56.1	55.3	95	-040	0.2	0.0	— — — —
	21	54.3	10.0	29.784	56.1	54.7	92	29.730	56.1	53.2	83	0.2	0.0	— — — —	
22	53.9	10.0	29.799	53.6	51.8	89	29.843	56.7	54.0	84	0.0	0.0	— — — —		
23	52.1	10.0	30.070	54.6	53.1	91	30.074	55.6	53.5	88	0.0	0.0	— — — —		
24	45.4	1.1	30.204	45.8	45.7	99	30.178	52.3	50.3	87	0.0	0.0	— — — —		
25	47.4	4.7	30.164	47.0	46.8	98	30.124	50.4	49.3	93	0.2	0.0	— — 20, —		
27	47.6	1.6	29.916	52.0	47.5	72	29.964	47.2	45.8	90	-130	2.2	0.3	— 30, 0, —	
28	47.9	8.9	29.562	53.3	48.8	73	29.297	47.0	43.3	76		3.0	0.7	— 22, 20, 24	
29	39.3	8.7	29.182	38.0	37.9	99	29.171	40.8	37.6	76		4.2	1.1	28, 0, 0, 30	
30	39.2	7.5	29.609	41.2	40.6	95	29.633	40.0	37.9	84		-410	5.5	0.3	0, 4, 0, —
31	39.4	8.9	29.387	41.2	39.5	87	29.246	43.4	42.4	93		0.3	0.0	— — — 22	

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Nov. 1	39.2	2.3	29.178	42.0	39.5	82	29.152	41.2	37.8	75	.025	0.4	0.0	— — 20, —
3	34.2	1.2	29.584	37.2	36.3	92	29.617	35.0	31.3	71	.100	2.2	0.1	25, 30, 28, —
4	32.3	1.6	29.766	34.4	32.3	82	29.837	34.0	31.1	76		0.2	0.1	— 28, 28, 28
5	42.5	9.7	29.748	41.6	38.3	76	29.666	46.8	44.5	85		1.3	0.2	24, 25, 24, —
6	41.3	9.7	29.748	44.0	40.3	74	29.775	41.8	39.0	79		2.2	0.2	— 30, 28, 28
7	40.0	10.0	29.789	41.3	39.6	87	29.754	40.6	40.1	96		2.1	0.0	— — — —
8	42.6	10.0	29.645	43.4	43.3	99	29.587	45.0	44.9	99	.128	0.0	0.0	— — — —
10	40.1	8.8	29.460	40.8	39.9	93	29.565	41.8	41.9	100	.118	0.2	0.0	— — — —
11	44.7	8.1	29.954	47.8	46.1	88	29.989	45.0	44.3	95	.060	0.4	0.1	— 0, 0, —
12	35.4	4.1	30.110	35.0	35.2	100	30.113	38.6	38.3	98		0.1	0.0	— — — —
13	42.5	7.3	30.167	44.0	43.3	95	30.113	43.8	41.6	84	.060	0.4	0.0	— 28, — —
14	34.8	7.2	30.285	36.3	33.5	77	30.103	35.0	31.9	75		1.8	0.1	— 28, 28, —
15	35.5	9.2	29.795	35.7	35.3	96	29.762	37.8	36.9	92		0.2	0.0	— — — —
17	30.7	2.1	29.683	32.8	32.7	99	29.670	32.8	32.6	99		5.2	1.3	30, 30, 30, 30
18	32.0	5.5	29.731	34.0	32.1	83	29.680	32.3	32.3	100		1.6	0.0	— — — —
19	31.5	10.0	29.567	32.6	31.5	91	29.439	33.0	32.8	98		0.1	0.0	— — — —
20	33.3	7.4	29.834	34.0	33.9	99	29.841	35.8	34.3	87	.145	0.1	0.0	— — — —
21	.....	4.0	29.692	40.6	37.8	79	29.812	38.6	36.1	81		4.5	0.1	30, — — 28
22	36.7	1.4	29.998	39.0	37.3	86	30.025	36.6	35.1	87		4.0	0.1	28, 28, — —
24	33.0	0.7	29.193	35.6	34.6	91	29.186	34.2	31.9	81		0.0	0.0	— — — —
25	28.4	3.5	29.238	28.7	27.9	92	29.238	28.1	28.0	99		0.0	0.0	— — — —
26	36.4	7.7	29.551	36.2	36.1	99	29.593	36.2	34.7	87	.216	0.2	0.1	— — 30, 28
27	37.9	9.5	29.686	36.0	34.5	87	29.704	38.0	35.9	83		0.2	0.0	— — — —
28	33.7	2.7	29.858	35.8	33.3	79	29.876	36.6	34.3	81		0.0	0.0	— — — —
29	25.2	1.8	29.933	26.7	26.3	96	29.932	27.4	27.4	100		0.0	0.0	— — — —
Dec. 1	33.9	3.6	30.168	36.3	34.3	83	30.125	29.7	30.0	100		0.0	0.0	— — — —
2	25.5	0.4	30.090	25.7	25.4	97	30.058	28.4	28.2	98		0.0	0.0	— — — —
3	29.2	8.9	30.072	29.6	29.4	99	30.027	32.0	31.4	95		0.0	0.0	— — — —
4	37.2	10.0	29.972	35.5	35.1	96	29.918	40.7	39.6	92		0.2	0.0	— — — —
5	47.7	9.3	29.777	47.2	46.3	93	29.822	51.2	48.6	83		0.5	0.2	18, 20, 20, 20
6	47.3	10.0	29.757	47.3	44.9	84	29.703	47.6	45.5	86	.257	2.7	0.8	20, 20, 20, 20
8	44.6	6.6	29.244	45.8	41.5	71	29.659	44.0	43.7	98		11.0	4.5	20, 22, 20, 19
9	49.4	10.0	29.596	46.8	45.6	92	29.518	53.8	51.3	85	.024	4.2	1.7	18, 18, 20, 20
10	50.4	10.0	29.398	52.8	51.5	92	29.429	50.2	48.1	87	.110	8.5	1.6	20, 18, 19, 18
11	47.0	7.1	30.044	48.0	44.3	76	30.128	45.3	43.9	90	.130	1.5	0.2	22, 22, 18, 20
12	43.0	7.9	30.229	45.0	43.9	92	30.205	43.8	41.9	86		1.2	0.8	20, — 20, —
13	32.5	6.9	30.309	32.0	31.3	94	30.330	31.3	31.0	97		0.2	0.0	— — — —
15	39.3	10.0	30.183	40.0	38.5	88	30.093	39.6	37.9	87		0.0	0.0	— — — —
16	46.7	10.0	29.993	47.6	46.7	94	30.008	48.3	47.3	93		1.2	0.2	20, 20, 21, 20
17	44.9	9.6	30.040	45.6	44.5	92	29.987	44.8	43.9	93		0.4	0.0	— — — —
18	41.2	10.0	29.770	41.0	39.1	86	29.712	42.0	40.9	92		0.5	0.0	18, — — —
19	46.5	10.0	29.767	44.4	43.3	92	29.716	46.2	45.1	92	.015	0.7	0.0	— — — —
20	47.9	10.0	29.608	47.5	45.8	89	29.517	48.8	47.9	94	.015	2.0	0.3	18, 18, 20, 20
22	28.3	5.7	29.460	28.9	29.2	100	29.601	29.9	30.0	100	.010	0.5	0.0	— — — —
23	30.2	2.9	29.995	29.7	29.4	97	30.024	29.9	30.2	100		0.0	0.0	— — — —
24	27.3	6.5	30.062	26.9	26.8	99	30.033	25.9	25.9	100		0.0	0.0	— — — —
25	34.0	10.0	30.078	34.0	33.3	93	30.110	37.1	36.9	98		0.0	0.0	— — — —
26	35.6	10.0	30.311	36.6	36.6	100	30.354	36.2	36.1	99		0.0	0.0	— — — —
27	35.1	10.0	30.342	33.8	33.7	99	30.315	37.5	37.1	96		.....	.....	— — — —
29	33.6	0.3	30.289	33.5	32.5	91	30.235	34.8	33.1	85		0.2	0.0	— — — 20
30	42.6	8.1	30.189	43.0	41.6	89	30.089	43.3	41.1	83		1.0	0.1	20, 20, 20, 18
31	43.9	8.6	29.898	45.3	42.9	83	29.824	44.8	42.9	86		2.0	0.5	20, 19, 18, 18

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Jan.	1	40.2	9.8	29.593	42.0	40.9	92	29.478	39.3	37.6	86		0.4	0.0	20, — — —
	2	38.3	6.0	29.233	39.3	36.6	79	29.225	36.8	35.6	90		2.4	0.4	20, 22, 20, 20
	3	37.1	10.0	29.200	37.0	35.8	90	28.937	41.8	41.1	95		2.2	0.4	— 16, 18, 18
	5	40.2	10.0	29.607	36.5	34.9	87	29.461	46.0	45.6	97	-290	4.0	0.6	20, 20, 18, 20
	6	46.4	9.3	29.344	47.0	43.3	76	29.203	45.6	40.5	66	-030	9.0	1.7	18, 20, 18, 18
	7	38.7	8.2	28.846	39.0	36.9	84	28.981	40.6	37.6	78		11.0	2.5	20, 20, 20, 22
	8	39.2	10.0	29.144	36.9	36.9	100	28.679	43.6	42.6	93	-408	11.4	1.2	— 17, 16, 18
	9	34.1	8.7	28.609	31.3	30.3	92	28.820	33.6	32.8	93	-358	11.4	3.4	28, 28, 28, 27
	10	29.4	1.9	29.362	38.3	37.6	95	29.389	25.7	24.3	86		4.0	0.0	— — — —
	12	40.6	5.9	28.663	41.6	39.9	88	28.669	39.0	36.9	84	-255	6.0	0.9	20, 20, 20, 20
	13	28.0	3.7	29.376	28.8	28.1	94	29.430	28.4	28.1	97		2.0	0.0	— — — —
	14	33.8	10.0	29.511	30.1	29.5	95	29.439	39.0	37.9	91		2.0	0.1	— — 16, 18
	15	42.5	9.6	29.019	42.5	41.3	91	29.074	44.6	41.6	80	-158	1.0	0.1	20, — — 20
	16	41.3	5.4	29.226	43.2	41.3	87	29.395	42.0	39.3	81	-120	2.2	0.5	20, 20, 20, 20
	17	39.3	2.7	29.663	40.8	38.5	83	29.794	38.2	37.1	91	-414	2.5	0.1	20, 24, 22, —
	19	41.8	10.0	29.711	42.6	39.6	78	29.599	42.2	40.5	87		2.8	0.1	— 18, 18, 18
	20	45.9	9.8	29.294	47.6	46.3	92	29.262	43.2	42.5	95		1.0	0.1	17, — 18, —
	21	38.9	7.8	29.338	38.0	35.9	84	28.861	42.4	41.1	90	-116	4.5	1.0	— — 17, 17
	22	38.8	7.0	28.602	39.3	36.7	80	28.554	41.0	37.9	77	-390	4.2	1.7	18, 21, 18, 20
	23	37.7	4.4	29.023	37.8	35.9	85	29.169	39.8	39.1	95		5.2	1.2	18, 18, 19, 18
	24	43.6	9.7	28.883	44.0	42.8	92	28.872	45.2	42.9	85	-078	10.0	1.7	18, 17, 18, 20
	26	40.3	6.2	29.548	39.6	37.6	84	29.469	43.6	42.3	90	-130	2.2	0.1	20, 16, — 16
	27	41.7	9.4	29.049	44.8	42.1	82	29.112	40.6	38.3	83		8.5	1.9	16, 16, 16, 16
	28	33.2	1.9	29.589	33.0	32.3	94	29.680	36.4	35.0	88	-038	0.4	0.0	— — — —
	29	42.4	10.0	29.537	41.0	39.5	88	29.479	46.6	45.5	93		3.8	0.4	18, 17, 20, 20
	30	38.7	5.4	29.061	40.2	38.3	86	.....	.....	.....	.....	-383	7.5	0.5	20, 20, 22, —
	31	38.4	10.0	29.442	39.0	37.9	91	29.225	37.6	36.7	93	-010	1.0	0.0	— — — 16
Feb.	2	46.5	10.0	29.386	49.2	49.0	99	29.337	44.8	44.3	97	-128	3.4	0.7	18, 18, 19, 18
	3	37.9	2.9	29.497	41.0	37.8	76	29.527	38.3	34.9	73	-580	3.0	0.9	18, 20, 18, 20
	4	45.3	10.0	29.217	46.5	45.3	92	29.142	50.2	49.6	96	-160	6.8	1.1	20, 20, 17, 18
	5	41.8	9.9	29.297	42.8	40.3	82	29.171	42.2	40.4	87	-385	7.8	0.0	— 22, — —
	6	38.5	4.7	29.388	39.6	37.6	85	29.591	41.0	37.3	72	-056	2.2	0.2	28, 24, 28, —
	7	41.1	9.1	29.701	40.3	40.3	100	29.624	44.0	41.3	81		1.7	0.1	— 18, 20, 22
	9	37.3	6.2	29.008	38.3	35.3	77	29.075	36.0	32.3	70	-090	3.0	0.7	30, 30, 28, 25
	10	36.2	3.7	29.750	38.3	35.1	74	29.847	37.8	33.5	66	-028	3.7	0.6	29, 30, 30, 1
	11	34.6	8.2	29.832	35.3	33.3	83	29.751	41.0	38.9	84		0.8	0.1	— — 22, 20
	12	40.4	10.0	29.515	42.2	40.5	87	29.412	41.8	40.2	88	-028	1.7	0.2	17, 20, 20, 20
	13	35.0	8.5	29.346	35.0	33.9	91	29.426	38.0	36.3	86	-038	0.5	0.0	— — — —
	14	37.9	9.2	29.788	37.6	36.5	91	29.758	42.4	39.9	81		3.0	0.3	— — 20, 20
	16	37.9	9.2	29.587	38.0	37.1	93	29.494	41.0	39.3	87	-215	3.3	0.4	24, 25, 24, 20
	17	46.5	9.6	29.382	49.3	47.3	87	.....	.....	.....	.....		6.0	1.4	24, 24, 25, —
	18	34.2	3.3	29.310	37.2	32.5	63	29.407	36.0	31.9	69		3.7	1.6	28, 30, 28, 28
	19	29.8	3.5	29.746	31.8	29.5	81	29.858	32.2	31.3	92		3.0	1.1	28, 30, 30, 30
	20	28.5	4.4	30.014	29.8	27.8	82	29.962	33.8	30.6	74		1.6	0.2	28, 28, 28, —
	21	38.0	3.6	29.988	40.3	37.3	77	30.081	41.8	38.6	76		0.4	0.0	— — 28, —
	23	39.4	8.2	30.526	41.0	39.6	89	30.514	45.2	43.3	86		0.0	0.0	— — — —
	24	30.5	0.5	30.520	31.3	31.1	98	30.413	38.0	34.9	75		0.0	0.0	— — — —
	25	28.4	4.9	30.371	26.1	25.5	94	30.368	36.2	33.3	76	-020	0.1	0.0	— — — —
	26	35.2	9.8	30.370	37.3	34.5	77	30.234	36.5	33.9	78		1.2	0.1	2, 2, 31, —
	27	40.3	4.7	29.977	41.0	38.6	81	29.826	44.8	41.3	75		0.2	0.0	— 28, 22, —
	28	38.3	7.4	29.487	40.6	36.5	70	29.450	37.8	32.7	60		4.6	0.9	— 28, 28, 30

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Mar. 1	32.6	6.2	29.451	34.8	32.5	80	29.464	36.8	32.1	62		0.6	0.0	— — 28, 28
2	32.5	0.9	29.657	35.2	34.3	92	29.691	38.0	34.0	68		0.6	0.2	28, 28, 0, 31
3	33.0	4.9	29.915	34.8	33.3	87	29.919	38.6	33.7	62		0.6	0.1	2, — — —
4	34.0	4.0	30.060	35.6	32.3	72	30.104	42.6	38.5	70		0.4	0.0	— 20, — —
5	42.3	9.5	30.344	45.8	40.1	61	30.414	43.8	42.5	90		2.2	0.4	— 18, 19, 20
6	43.4	10.0	30.547	45.2	43.1	85	30.538	48.0	45.1	81		0.3	0.0	— 20, — —
8	38.7	5.7	30.474	40.5	39.3	91	30.399	43.5	41.3	84		0.4	0.1	— — — 3
9	35.3	3.1	30.344	33.8	32.9	91	30.278	51.8	46.1	65		0.2	0.0	— — — —
10	32.8	7.6	30.264	33.2	33.3	100	30.326	38.2	38.0	98		0.2	0.0	— — — —
11	38.4	10.0	30.161	40.6	38.1	81	30.149	41.2	38.3	78		0.2	0.0	— — — —
12	40.5	2.8	30.252	40.8	37.7	77	30.193	48.0	41.8	60		0.1	0.0	— — — —
13	34.8	9.9	30.318	36.5	35.3	89	30.320	39.6	37.3	82		0.0	0.0	— — — —
15	42.6	10.0	30.318	45.5	42.7	80	30.303	47.8	42.3	64		0.2	0.0	— — — —
16	42.1	10.0	30.279	45.3	39.6	61	30.213	45.1	40.0	65		0.0	0.0	— — — —
17	39.6	10.0	30.193	41.1	39.5	88	30.152	44.6	40.9	74		0.0	0.0	— — — —
18	39.3	8.5	30.127	42.6	40.1	81	30.074	45.0	40.3	68		0.2	0.0	— — — —
19	36.7	8.5	30.054	37.5	36.6	92	29.985	44.6	40.6	72		0.7	0.1	— — 12, 12
20	41.2	3.4	29.900	42.6	39.5	77	29.807	51.0	42.9	52		3.4	1.0	15, 14, 16, 16
22	46.2	10.0	29.804	43.6	43.3	98	29.745	53.0	51.6	91	-0.70	0.8	0.0	— — — —
23	55.0	7.2	29.819	57.4	54.5	83	29.749	63.4	59.0	78		0.2	0.0	20, — — — 20
24	37.2	10.0	29.870	40.0	38.9	91	29.869	39.3	34.6	63	-1.36	0.7	0.1	— 4, 4, 4
25	36.5	9.8	29.906	39.6	35.6	69	29.856	37.8	35.5	81		1.0	0.2	— 0, 31, 0
26	36.1	6.6	29.698	38.6	34.9	71	29.594	39.5	36.1	74		0.7	0.1	28, 30, — —
27	34.2	9.2	29.397	38.1	34.7	74	29.377	38.6	34.3	67		0.4	0.0	0, 0, — —
29	39.9	8.4	29.391	42.6	38.1	68	29.314	44.8	40.5	71		1.0	0.3	17, 12, 14, 12
30	38.8	10.0	29.139	40.5	39.5	93	29.144	40.6	39.9	95	-0.28	1.5	0.8	6, 5, 6, 6
31	39.6	7.9	29.498	41.6	38.3	76	29.624	43.0	38.6	69	-1.50	0.8	0.1	— 4, 4, 4
April 1	38.4	6.0	29.907	41.8	37.8	70	29.915	47.6	42.3	65		0.2	0.0	— 0, — 16
2	40.9	9.5	30.095	44.6	41.9	81	30.054	51.8	44.9	59		0.2	0.0	— — 16, 16
3	38.9	0.2	30.166	44.5	40.9	74	30.155	48.8	42.7	61		0.2	0.0	— — — 12
5	38.3	3.0	30.034	43.5	39.5	71	29.978	47.0	42.5	70	-0.22	2.2	0.0	— — 16, —
6	40.8	6.9	29.997	46.0	41.9	72	29.988	50.0	43.6	60		0.2	0.0	— — — —
7	41.8	6.6	30.107	46.8	45.3	89	30.114	48.0	42.1	62		1.5	0.1	— 6, 8, 8
8	43.5	3.6	30.150	45.5	42.1	76	30.094	51.5	44.3	56		0.2	0.0	— — — 4
9	47.5	8.2	30.161	51.2	47.1	75	30.123	54.9	48.5	63		0.2	0.0	20, — — —
10	44.9	1.6	29.958	50.0	45.3	70	29.984	53.3	45.3	54		0.2	0.0	— — — 2
12	52.5	1.0	30.008	56.4	50.1	64	29.975	66.6	54.5	46		0.2	0.0	— — — 20
13	52.7	0.8	30.040	60.3	51.3	54	30.015	67.1	53.6	40		0.2	0.1	— 18, 18, 18
14	54.0	0.0	30.050	60.8	51.3	52	29.994	66.2	51.7	36		0.2	0.0	— — — —
15	46.4	0.1	30.000	53.2	48.1	69	29.961	52.6	48.3	74		0.3	0.1	— 4, 4, 4
16	42.4	7.1	29.942	44.8	42.6	84	29.882	53.0	48.3	72		0.1	0.0	— — — —
17	50.2	2.6	29.783	51.8	46.9	70	29.667	60.6	49.9	47		0.2	0.1	— — 30, 30
19	41.2	1.5	29.853	44.6	40.1	69	29.764	51.6	45.9	66		0.3	0.1	— 16, 20, 20
20	48.6	5.7	29.745	51.4	46.3	69	29.752	57.9	49.1	53		0.5	0.2	18, 20, 24, 24
21	50.0	5.5	29.822	53.9	48.9	70	29.738	58.8	49.5	52		0.3	0.1	— 16, 16, 14
22	47.3	9.2	29.715	53.6	45.1	52	29.715	52.2	44.9	57		2.4	0.5	8, 14, 12, 12
23	45.2	5.1	29.765	49.2	45.6	77	29.886	50.6	45.6	69		2.5	1.2	6, 8, 12, 12
24	40.8	5.6	30.040	45.4	40.0	63	29.996	44.0	39.3	67		2.7	1.4	8, 6, 6, 6
26	41.2	7.7	29.946	44.0	39.6	69	30.023	47.8	41.8	61		0.5	0.1	— 2, 6, 6
27	44.1	7.9	29.980	46.5	45.7	94	29.953	55.5	52.2	81		0.3	0.0	— — — 14
28	45.8	9.2	29.736	48.0	46.3	89	29.615	50.4	48.8	90	-1.73	1.8	0.1	18, 18, 20, 18
29	51.2	9.9	29.468	57.7	54.1	80	29.406	58.8	54.2	75	-0.62	0.5	0.0	— — 23, —
30	41.2	10.0	29.373	42.8	42.9	100	29.433	44.2	42.5	88	-6.45	0.4	0.1	— 4, 4, 4

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Sat. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Sat. = 100.		Max.	Mean.*	
May 1	44.7	3.9	29.626	47.4	40.7	57	29.653	51.6	44.9	60		0.7	0.0	— 2, 4, —
3	43.1	8.5	29.948	46.3	45.5	94	29.990	48.2	46.1	86	-060	0.7	0.1	— 4, 4, —
4	44.9	7.1	30.060	48.2	44.1	73	30.037	51.0	46.1	70		0.2	0.0	4, — 6, —
5	46.6	9.6	30.094	49.2	44.9	73	30.077	52.2	46.1	63		0.2	0.0	— — 0, —
6	51.6	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.1	.....	— — — —
7	50.7	10.0	29.759	53.9	51.3	84	29.698	58.0	52.6	71		0.9	0.2	20, 17, 20, 20
8	54.0	9.6	29.654	58.2	55.8	87	29.632	56.2	53.5	84	-040	2.0	0.2	— 20, — 20
											-018			
10	51.6	7.3	29.354	54.7	53.1	90	29.264	55.9	50.1	68	-282	5.0	0.8	18, 16, — 18
11	45.2	9.7	29.272	47.0	44.6	84	29.299	50.0	46.9	80		5.0	0.8	18, 20, 20, 20
12	47.4	7.7	29.228	49.7	46.8	82	29.245	55.5	49.5	67	-318	3.3	0.0	— — 28, 20
13	50.7	9.9	29.271	56.9	52.9	78	29.163	50.0	50.3	100		0.7	0.1	22, 20, 17, 20
14	45.1	8.2	29.165	47.6	46.9	95	29.320	49.3	46.5	82	-375	2.0	0.7	30, 0, 28, 25
15	49.2	7.0	29.668	50.6	47.3	79	29.617	53.4	49.1	75		1.7	0.2	— 20, 20, 18
											-217			
17	53.2	8.4	29.505	55.4	51.3	77	29.513	59.6	53.3	67		1.2	0.2	20, 20, 20, 20
18	51.0	9.1	.....	.....	.....	.....	29.677	50.0	47.7	85		1.5	0.5	4, — 4, 4
19	44.8	10.0	29.701	49.6	46.1	78	29.675	44.3	44.1	98	-062	2.1	0.4	4, 4, 2, 4
20	47.3	10.0	29.866	50.4	49.0	90	29.868	51.8	49.3	85	-182	0.6	0.1	4, — — 6
21	44.3	10.0	29.858	47.8	46.9	94	29.868	47.2	43.1	72		0.4	0.2	4, 4, 3, 4
22	44.6	10.0	29.960	47.5	43.6	74	29.979	48.0	45.5	83		0.4	0.2	3, 2, 6, 4
24	50.7	2.2	29.940	52.6	48.7	76	29.892	60.0	51.9	58		0.2	0.0	— — — —
25	48.3	7.0	29.919	51.4	48.3	80	29.907	50.0	48.7	91		0.2	0.0	— — 8, 8
26	45.0	10.0	29.894	48.0	48.0	100	29.874	48.0	48.3	100		2.9	0.3	4, 4, 4, 2
27	46.4	9.9	29.866	48.2	48.3	100	29.828	50.6	50.5	99		1.4	0.1	0, 4, 2, 2
28	47.7	9.9	29.724	50.6	49.1	90	29.676	52.0	51.3	96		0.9	0.1	2, 0, 4, 4
29	43.1	7.4	29.560	48.1	47.7	97	29.509	49.2	48.8	97		1.1	0.0	30, 28, 30, 28
31	45.7	8.1	29.473	49.2	43.4	64	29.476	47.0	43.1	74	-038	0.5	0.1	30, — 30, —
June 1	47.3	7.9	29.530	51.0	45.1	64	29.506	53.3	47.1	64	-110	0.4	0.1	— — 22, 18
2	47.3	9.7	29.416	50.8	47.9	82	29.414	49.0	47.1	87	-038	0.4	0.2	18, 18, 18, 16
3	47.6	7.5	29.295	54.9	50.1	73	29.297	53.2	48.8	74	-318	0.8	0.2	18, — 16, 20
4	54.0	4.4	29.448	58.5	51.5	63	29.490	57.9	51.3	64		0.9	0.0	16, — — 20
5	55.6	6.7	29.704	58.5	52.5	68	29.684	61.9	54.8	64		0.2	0.0	— 16, — —
7	50.2	8.2	29.609	54.2	51.5	84	29.596	54.0	51.1	83	-032	1.2	0.3	4, 4, 7, 4
8	50.0	10.0	29.597	53.5	52.8	96	29.585	52.0	51.6	98		1.0	0.3	4, 4, 4, 4
9	48.4	10.0	29.579	51.2	50.1	93	29.549	51.0	49.3	89	-056	0.5	0.2	4, 2, 2, 2
10	47.8	9.9	29.352	54.3	48.5	67	29.284	49.4	46.6	83		2.4	0.5	30, 30, 30, 30
11	47.6	9.9	29.253	49.3	45.3	75	29.268	54.0	48.5	69	-683	4.0	1.4	30, 31, 31, 28
12	48.2	10.0	29.434	54.0	50.3	78	29.459	49.4	49.3	99	-056	2.0	0.0	0, — — —
											-128			
14	48.6	10.0	28.992	53.6	49.5	76	29.037	51.8	50.9	94	-020	0.3	0.0	— — — 6
15	52.6	6.4	29.266	56.9	51.8	72	29.299	54.8	52.9	89	-024	0.2	0.0	4, — — 6
16	50.7	10.0	29.123	56.1	51.8	76	28.980	52.5	52.1	98		2.5	0.7	6, 6, 9, 10
17	56.8	8.1	29.111	59.8	53.9	69	29.124	63.1	55.4	63	-120	1.2	0.5	14, 16, 16, 16
18	55.3	9.6	29.276	59.5	54.3	72	29.302	59.9	54.9	74	-025	0.4	0.1	— 12, 8, 12
19	56.3	6.9	29.475	59.9	57.2	85	29.494	64.2	57.5	67		0.3	0.0	— — 10, —
21	60.3	8.7	29.276	62.0	57.0	75	29.220	64.6	57.0	64	-043	0.3	0.1	17, 18, 16, 22
22	54.2	8.5	29.190	57.7	53.9	79	28.953	55.2	54.3	94	-026	0.9	0.2	— 20, 20, 16
23	56.1	4.5	29.330	62.1	55.0	65	29.383	58.9	54.9	79	-240	1.5	0.3	20, 20, 20, 19
24	57.1	5.0	29.624	60.0	54.9	73	29.681	61.1	55.6	72	-080	1.6	0.4	— 20, 20, 20
25	58.3	9.9	29.694	60.1	54.3	70	29.586	62.1	55.5	67		1.1	0.2	18, 18, 18, 18
26	56.2	10.0	29.407	58.7	57.2	92	29.389	61.0	59.2	91	-410	0.6	0.1	16, 16, 15, —
											-187			
28	56.1	9.6	29.373	59.9	55.2	75	29.396	62.1	57.5	77		1.7	0.2	— 20, 22, 20
29	56.5	9.8	29.346	61.4	57.5	80	29.238	58.9	57.0	89	-010	1.7	0.1	— 18, 20, —
30	56.8	7.0	29.234	60.1	55.2	75	29.338	63.1	56.0	65	-200	4.0	1.5	20, 20, 20, 23

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 22 ^h , 24 ^h , 26 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
July 1	57.3	7.9	29.593	58.7	52.5	67	29.645	62.6	55.8	66		2.6	0.8	23, 22, 20, —
2	56.1	6.8	29.518	56.2	54.6	90	29.628	63.4	53.9	54	-0.82	3.4	1.7	20, 22, 24, 22
3	61.1	5.3	29.804	64.8	57.7	66	.....	.....	.....	.....		2.4	0.1	20, — 22, —
5	72.9	7.2	29.653	78.7	69.1	62	29.659	75.4	69.5	75		0.3	0.0	16, — — 8
6	65.6	9.8	29.710	70.0	66.2	82	29.750	70.0	66.8	85		0.2	0.0	— — 6, 4
7	64.6	10.0	29.819	64.3	62.4	90	29.812	70.0	66.2	82	-1.25	0.2	0.0	— — — 4
8	64.2	8.3	29.873	66.8	60.8	71	29.814	70.0	64.3	74	-0.20	0.3	0.1	— 6, 4, 4
9	70.0	4.0	29.723	75.7	66.2	61	29.694	74.8	65.3	61		1.8	0.3	— 16, 16, 18
10	59.4	3.7	29.902	62.0	54.5	62	29.931	66.5	65.7	96		0.7	0.1	23, 28, 24, 24
12	64.6	0.0	29.903	66.9	60.1	68	29.888	73.5	65.4	65		0.4	0.0	— — — 16
13	53.3	0.9	29.891	64.6	58.8	71	29.827	73.6	65.5	65		0.4	0.1	8, 8, 9, 12
14	66.3	4.7	29.780	68.2	63.1	76	29.736	76.6	65.5	56		0.6	0.1	— — 14, 15
15	63.0	9.8	29.675	68.9	63.9	77	29.661	65.1	63.1	90	-0.40	0.4	0.1	— 12, 10, —
16	65.8	8.4	29.669	68.9	63.7	76	29.621	69.2	65.4	82		0.3	0.0	— — — 7
17	63.3	9.1	29.482	68.5	65.3	85	29.459	67.4	64.7	87	-2.55	0.5	0.1	6, 4, — 20
19	62.2	6.7	29.619	67.4	61.9	74	29.639	68.9	61.7	67	-0.60	0.7	0.1	— 20, 22, 21
20	65.7	7.8	29.627	69.1	64.3	78	29.667	71.5	62.3	61	-0.15	1.6	0.5	— 18, 20, —
21	63.2	7.2	29.670	66.1	59.2	67	29.672	67.9	62.1	73	-0.30	1.3	0.2	— 18, 20, 20
22	60.8	7.7	29.736	60.8	57.6	83	29.816	66.1	56.5	55		1.5	0.5	— 24, 26, 24
23	62.8	0.9	29.936	65.3	57.6	63	29.860	70.1	60.1	56		0.9	0.1	20, 14, — 18
24	66.3	5.0	29.749	70.2	63.1	68	29.679	73.9	64.6	61		0.4	0.1	— 18, — 16
26	56.9	10.0	29.646	58.7	58.4	98	29.714	60.3	59.7	97	-0.83	1.5	1.0	0, 3, 4, 2
27	58.9	6.7	29.916	63.9	60.2	81	29.928	64.0	59.9	79	-0.24	1.2	0.3	4, 4, 4, 4
28	61.7	4.4	29.941	63.6	59.7	80	29.863	74.2	65.3	62		0.2	0.0	— — — —
29	60.8	9.1	29.903	63.1	59.9	83	29.873	69.3	61.6	65		0.0	0.0	— — — —
30	68.4	8.9	29.849	72.8	66.7	73	29.840	70.2	64.5	74		0.3	0.0	— — 28, —
31	63.6	6.4	29.825	66.7	60.4	70	29.789	69.2	60.4	60		0.4	0.0	26, — — —
Aug. 2	60.3	9.3	29.597	64.0	57.2	67	29.429	64.8	55.2	55		0.5	0.0	— — 20, —
3	55.6	10.0	29.063	58.8	55.5	82	28.932	59.4	57.1	87	-2.00	1.5	0.2	15, 16, 16, —
4	56.2	2.6	28.987	60.3	55.0	73	29.013	62.1	55.6	68	-5.10	1.0	0.1	— 20, 20, 20
5	58.7	5.6	29.101	61.8	57.0	76	29.109	67.2	58.6	61		0.4	0.0	— — 18, —
6	56.3	5.0	29.069	64.0	57.5	68	29.002	53.8	53.3	97		0.8	0.0	— — 16, —
7	56.7	5.9	28.919	63.4	57.2	69	28.923	57.3	54.9	87	-1.75	0.7	0.2	— 18, 18, 18
9	57.5	7.4	29.171	61.0	56.8	80	29.170	64.2	57.6	68	-2.65	1.2	0.0	— — — —
10	57.3	8.6	29.260	62.8	55.8	65	29.262	61.1	57.0	79	-1.80	0.6	0.1	— 20, 18, 18
11	56.8	6.3	.....	.....	.....	.....	29.136	60.2	56.2	79	-0.50	0.6	0.1	20, — 4, 4
12	54.3	10.0	29.073	56.2	54.8	92	29.131	58.9	55.5	82	-1.46	0.6	0.1	— — — —
13	57.1	5.0	29.339	61.0	53.9	64	29.354	64.8	54.5	52	-1.890	2.9	0.8	1, 31, 0, 0
14	58.6	3.2	29.430	61.8	55.4	68	29.425	66.1	58.2	63	-0.42	0.8	0.2	24, 4, 0, 30
16	57.3	9.8	29.643	63.4	58.6	76	29.557	60.8	58.0	85	-0.80	0.4	0.0	— 16, — 6
17	62.1	9.8	29.491	69.1	62.7	71	29.444	67.1	62.5	79		1.4	0.1	— 16, 14, 12
18	58.4	5.2	29.483	62.8	56.4	68	29.570	66.1	58.8	66	-2.56	2.5	0.4	0, 0, 0, 18
19	56.2	10.0	29.821	59.5	56.2	82	29.809	59.5	55.2	77		1.2	0.2	20, 20, 20, 20
20	60.2	4.2	29.830	61.4	56.7	75	29.827	67.9	59.7	62		0.4	0.0	— — — 2, —
21	58.6	5.0	30.030	62.6	59.2	82	30.047	67.1	61.1	71		0.2	0.0	— — — —
23	58.9	8.2	30.060	66.9	62.6	79	30.042	60.6	59.0	91		0.2	0.0	— — — —
24	60.6	9.7	29.864	64.0	60.0	80	29.752	67.9	59.8	63	-0.86	0.2	0.0	— — — 20
25	55.2	8.2	29.546	55.1	53.9	93	29.627	61.1	53.9	63	-7.94	1.7	0.2	— 0, 30, 1
26	57.3	1.8	29.758	61.8	56.9	75	29.775	66.4	57.8	60		0.4	0.1	— — 15, 20
27	61.6	6.6	29.919	66.0	59.8	70	29.909	71.0	63.9	68		0.3	0.0	— — 20, 18
28	61.2	6.9	29.868	64.4	60.7	81	29.780	67.9	62.7	76		0.3	0.1	— — 16, 16
30	56.0	6.0	29.675	61.6	55.9	71	29.642	55.5	53.3	87	-0.40	0.7	0.3	18, 17, 17, 18
31	54.0	5.9	29.646	58.7	53.1	70	29.654	61.0	54.3	66	-0.65	1.6	0.3	— 22, 18, 20

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. at 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. at 100.		Max.	Mean.*	
Sept. 1	57.1	9.5	29.707	60.1	56.0	78	29.743	61.4	57.4	79	-035	2.1	0.4	— 17, 18, 18
2	61.5	9.1	29.968	65.0	59.2	71	29.974	65.4	59.4	70		1.3	0.1	— 20, 21, 20
3	60.5	6.1	29.993	65.1	60.3	76	29.938	68.9	62.3	70		0.3	0.1	— — — 10
4	58.1	4.9	29.941	61.1	58.5	86	29.918	66.5	61.3	75		0.4	0.0	4, — — 14
6	56.6	9.7	29.771	62.0	59.8	89	29.766	57.2	56.4	95		0.1	0.0	— — — —
7	59.0	9.0	29.862	62.0	59.6	87	29.948	63.4	61.9	92	-368	1.0	0.3	— 6, 6, 2
8	59.8	4.1	30.099	63.8	60.7	84	30.092	63.4	60.1	83		1.4	0.6	6, 0, 4, 2
9	57.3	8.2	30.062	60.4	57.4	83	30.007	60.1	57.5	86		0.8	0.3	— 4, 4, 0
10	53.3	9.8	29.906	57.3	54.8	85	29.814	57.2	54.5	84		0.8	0.2	2, 0, 4, —
11	52.6	6.0	29.652	56.2	49.5	63	29.590	56.9	51.8	72		1.6	0.2	— 2, 28, —
13	47.1	2.4	29.678	50.3	44.5	64	29.661	55.7	47.1	53	-025	0.8	0.3	31, 30, 30, 25
14	46.0	5.0	29.652	49.0	45.5	78	29.572	50.6	45.7	70	-070	0.5	0.1	— 24, 24, 28
15	41.9	2.8	29.412	48.0	42.9	68	29.341	48.3	44.3	75		0.3	0.0	— — — 4
16	46.2	4.9	29.500	49.3	46.6	83	29.524	56.3	48.7	58		0.5	0.0	— — — —
17	46.2	3.4	29.614	50.5	47.6	82	29.575	55.9	48.5	59		0.3	0.0	— — — —
18	48.0	6.3	29.424	52.0	48.3	77	29.225	57.7	51.3	66		0.1	0.0	— — — —
20	45.7	9.2	29.193	51.3	49.1	86	29.146	50.8	49.5	92	-030	0.2	0.1	16, 16, — —
21	41.5	7.4	29.545	48.8	45.3	78	29.775	51.0	43.9	57	-376	4.8	1.5	0, 30, 30, 30
22	50.4	8.9	29.952	52.6	50.3	86	29.986	59.4	55.2	77	-010	1.8	0.4	— 20, 20, 20
23	52.5	9.0	30.109	56.4	54.1	86	30.104	55.7	52.3	80		1.8	0.3	— 20, 22, 20
24	51.2	1.3	.....	.....	.....	.....	30.108	57.5	52.5	72		1.5	0.2	— — 20, 20
25	55.5	3.0	29.937	59.8	56.2	81	29.827	60.5	55.8	75		0.8	0.1	— 18, 20, 20
27	42.1	6.4	29.803	46.0	44.3	88	29.718	48.6	44.9	76	-276	0.2	0.0	— — 6, 4
28	56.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.5	.....	— — — —
29	44.3	10.0	28.938	46.3	44.9	91	28.957	47.8	45.9	87	1-025	7.5	1.3	0, 31, 0, 30
30	44.0	10.0	29.061	48.8	45.3	78	29.193	45.8	42.3	76	-420	3.0	0.9	25, 28, 28, 28
Oct. 1	41.4	7.2	29.110	46.3	43.6	82	29.082	42.6	41.9	95	-128	0.5	0.2	20, 20, 20, 20
2	40.5	7.2	29.061	43.5	41.8	88	29.103	44.6	43.1	90	-158	0.8	0.1	— 31, 28, 28
4	43.4	5.9	29.386	45.8	43.3	83	29.042	47.0	45.3	89	-070	4.0	0.0	— — — —
5	45.3	10.0	28.739	47.3	45.5	88	28.934	46.3	44.5	88	-610	4.8	0.8	0, 0, 30, 30
6	44.3	6.0	29.348	47.6	43.5	73	29.344	48.4	43.3	68	-020	0.6	0.1	18, — 20, 26
7	40.2	3.0	29.544	43.2	37.5	60	29.659	42.0	37.6	68		3.5	1.0	24, 28, 30, 30
8	39.1	2.2	29.686	40.0	34.9	62	29.684	44.8	39.5	64		1.7	0.5	28, 28, 30, 28
9	42.7	10.0	29.755	45.3	39.6	61	29.624	44.5	42.6	87		0.5	0.0	— — — 18
11	45.8	6.9	29.951	49.0	45.3	76	30.032	49.5	46.1	78	-145	0.5	0.1	— — 0, 2
12	42.6	4.9	30.192	44.0	42.3	88	30.172	50.2	47.5	82		0.1	0.0	— — — —
13	46.8	10.0	30.169	49.6	47.6	87	30.144	49.6	46.3	79		0.0	0.0	— — — —
14	45.5	8.9	30.154	48.6	46.1	84	30.135	48.8	46.1	82		0.0	0.0	— — — —
15	43.2	10.0	30.184	44.4	42.3	84	30.137	47.6	45.3	84		0.0	0.0	— — — —
16	46.2	10.0	30.123	48.2	46.3	87	30.112	48.0	45.6	84		0.0	0.0	— — — —
18	43.8	3.7	30.052	48.6	46.8	88	30.060	51.2	48.2	81		0.0	0.0	— — — —
19	50.9	9.6	30.120	52.6	50.3	86	30.060	53.2	49.5	78		1.6	0.2	— 20, 20, 20
20	49.3	5.1	29.941	51.2	47.1	74	29.876	52.2	48.3	76		1.8	0.2	20, 20, 18, —
21	48.0	10.0	29.733	50.8	49.3	90	29.649	50.0	49.1	94		0.5	0.0	— — — —
22	52.6	9.8	29.432	52.0	51.1	94	29.290	57.9	56.2	90	-100	0.2	0.0	— — — 14
23	46.3	7.1	29.381	50.0	47.6	85	29.347	46.3	44.3	86	-056	1.0	0.0	— — — —
25	40.2	5.0	29.182	43.3	42.5	94	29.167	45.5	42.3	78	-030	0.0	0.0	— — — —
26	36.0	6.9	29.066	33.4	31.7	86	28.918	43.0	42.9	99		3.5	0.1	— — — 4
27	43.7	10.0	28.938	43.8	42.9	94	29.139	45.6	44.1	90	-484	6.0	2.1	4, 4, 3, 3
38	38.2	9.2	29.530	40.8	38.9	86	29.577	38.2	37.1	91	-430	5.5	1.1	2, 2, 4, 4
29	41.9	9.7	29.578	44.6	41.9	81	29.446	43.0	43.1	100	-330	3.5	0.4	6, 6, 6, 6
30	41.0	7.7	29.359	43.0	42.5	96	29.336	44.3	44.3	100	-326	1.0	0.1	4, 4, — —

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Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .	
	Tem. of Air.	Sky Clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Nov.	1	52.8	10.0	29.299	52.5	50.3	87	29.156	56.1	54.5	91	-032	1.2	0.2	16, 18, 16, —
	2	50.9	6.4	29.223	53.3	50.8	85	29.160	52.2	51.6	96		0.7	0.1	18, 20, 20, 16
	3	45.8	5.0	29.272	48.2	46.3	87	29.317	46.4	44.3	86	-150	1.0	0.2	22, 20, 22, —
	4	42.5	2.3	29.482	46.2	44.9	91	29.503	46.5	43.7	81	-050	0.4	0.0	— 20, 19
	5	49.3	8.2	29.097	48.5	48.3	98	28.959	53.8	52.1	90	-236	4.0	0.6	8, 8, 16, 14
	6	44.6	5.0	29.256	47.8	44.3	77	29.329	45.0	42.9	85	-258	4.0	0.5	18, 18, 18, 18
												-030			
	8	40.6	9.7	29.391	52.3	52.1	99	29.548	49.2	45.6	77	-118	8.5	0.1	20, — 22, 24
	9	44.1	9.9	29.894	45.0	43.3	88	29.870	45.0	41.9	78	-054	1.5	0.0	— — — —
	10	35.4	1.9	29.901	37.3	34.8	79	29.850	38.0	36.1	84		0.2	0.0	— — — —
	11	37.4	10.0	29.572	38.3	36.9	88	29.435	39.8	37.5	82	-010	1.5	0.1	— — 4, 4
	12	37.8	5.5	29.631	40.0	38.3	87	29.647	38.0	34.1	69	-122	2.5	0.3	4, — 6, 8
	13	33.7	10.0	29.472	38.6	38.3	97	29.408	46.6	46.1	97	-070	0.7	0.0	— — — —
												-286			
	15	40.5	10.0	29.001	40.6	39.9	95	28.908	42.8	42.6	99	-350	3.0	0.4	4, 4, 5, 4
	16	44.3	10.0	28.610	46.3	46.3	100	28.615	46.8	46.7	99	-336	0.5	0.1	2, 2, — —
	17	45.5	9.0	28.737	49.0	47.3	89	.....	.....	.....	.....	-264	0.4	0.1	— — 18 18
	18	41.9	7.9	28.882	42.6	39.7	80	28.855	43.2	39.9	76		3.7	0.3	20 20, 20, 22
	19	40.3	6.7	29.372	39.3	38.6	94	29.305	40.6	38.9	87		1.5	0.1	— — 18, 16
	20	38.6	8.2	29.221	40.0	38.9	92	29.173	39.0	38.1	93	-066	3.0	0.1	— 18, 20, —
Dec.	22	34.9	7.0	28.977	35.0	34.3	94	29.045	36.8	35.3	88		0.0	0.0	— — — —
	23	34.1	3.9	29.169	36.5	35.3	91	29.091	34.5	34.3	98		0.0	0.0	— — — —
	24	32.0	9.0	29.411	33.8	32.7	90	29.532	33.0	32.6	97		0.2	0.0	— — — —
	25	29.7	5.0	29.754	27.7	27.7	100	29.675	33.0	32.3	94		1.0	0.0	— — — —
	26	45.6	10.0	28.844	49.8	49.7	100	28.844	46.2	44.3	87	-388	7.0	0.7	18, 16, 20, 20
	27	35.6	1.7	29.305	39.8	38.3	88	29.290	40.5	38.3	83	-040	2.0	0.4	20, 18, 20, 20
												-190			
	29	35.1	5.4	29.468	35.3	32.3	75	29.566	35.6	31.0	65		0.8	0.2	28, 30, 28, 28
	30	26.5	4.9	29.752	24.1	23.4	100	29.691	32.3	.....	.....		0.2	0.0	— — — —
	1	39.5	5.7	29.390	41.6	39.8	87	29.469	38.6	37.7	93	-072	1.0	0.3	20, 20, 20, —
	2	38.0	3.7	29.470	39.0	36.6	81	29.490	38.2	.....	.....		0.5	0.1	20, — 20, —
	3	36.7	2.2	29.682	38.0	35.7	81	29.698	38.8	36.6	82		0.4	0.1	20, — 20, 20
	4	50.0	9.1	29.318	51.0	50.1	94	29.363	51.6	50.5	93	-298	1.0	0.3	22, 22, 24, 20
	6	44.2	1.2	29.319	45.6	43.5	86	29.315	45.0	43.1	87	-110	3.8	0.9	19, 18, 20, 22
	7	36.9	1.0	29.354	36.8	36.9	100	29.331	37.8	37.3	96		2.7	0.0	— — — —
	8	40.5	10.0	29.087	42.6	41.3	91	28.997	40.0	39.9	99	-010	0.6	0.0	— — — —
	9	38.4	7.6	29.254	39.3	38.6	94	29.281	40.5	39.9	96	-490	0.2	0.0	— — — —
	10	49.0	7.0	28.973	50.6	49.1	91	29.022	46.8	44.1	82	-096	3.8	1.3	18, 20, 22, 22
	11	52.8	8.2	29.009	52.4	50.5	88	28.981	57.3	56.3	94	-015	8.0	3.3	22, 20, 21, 20
											-415				
13	34.4	9.6	29.321	32.0	31.9	99	29.260	37.0	36.6	97	-485	0.2	0.0	— — — —	
14	40.4	10.0	28.986	40.0	39.9	99	28.860	42.0	41.8	98	-671	2.4	0.2	4, 4, 4, —	
15	41.8	10.0	28.675	42.2	42.1	99	28.590	43.0	43.1	100	-698	3.2	0.2	— 6, 4, 4	
16	38.7	8.6	29.106	38.8	37.7	92	29.973	39.3	37.9	89	-445	3.2	0.0	— — — —	
17	41.6	10.0	28.587	44.8	44.3	97	28.906	39.8	38.3	89	-304	3.5	0.9	— 2, 4, 4	
18	33.4	5.2	29.967	32.8	31.6	89	29.983	31.2	30.9	97	-148	3.5	0.0	— — — —	
											-060				
20	47.2	9.6	29.163	52.3	51.1	93	29.336	41.0	39.9	92	-020	6.0	1.7	22, 20, 22, 30	
21	34.8	1.3	29.751	36.6	35.3	89	29.753	34.2	32.5	85	-100	2.1	0.0	— — — —	
22	31.7	8.0	29.671	31.0	30.4	95	29.621	33.2	31.3	84		0.3	0.0	— — — 4	
23	37.4	7.2	29.520	37.2	35.8	88	29.466	37.8	36.1	86		2.5	0.3	20, 20, 20, 16	
24	43.5	7.1	29.198	43.6	40.9	81	29.211	43.8	41.9	86	-155	3.6	1.9	18, 20, 20, 20	
25	39.9	5.2	29.103	41.6	38.5	78	29.227	38.0	36.9	91	-218	9.0	2.1	21, 24, 20, 20	
											-200				
27	43.9	9.4	27.887	44.6	43.3	91	28.520	43.2	40.1	78	-725	13.0	5.7	20, 22, 22, 22	
28	39.1	0.3	29.061	40.3	37.9	82	29.194	39.2	36.6	80	-012	7.0	1.8	22, 20, 22, 24	
29	41.4	9.4	29.291	39.0	36.6	81	28.996	47.8	45.6	86		4.8	1.7	— 18, 18, 16	
30	44.7	6.0	29.199	46.2	44.3	87	29.326	44.8	42.5	84	-378	7.5	3.5	20, 20, 22, 22	
31	47.3	9.9	29.538	47.8	45.8	86	29.448	48.8	47.3	90		8.0	2.3	20, 20, 20, 22	

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Jan. 1	44.8	7.4	29.530	43.6	42.3	90	29.438	45.5	43.5	86	.040 .570	9.0	1.1	20, 20, 20, 20
3	39.5	4.6	29.234	39.8	38.1	87	29.331	38.6	36.5	84	.083	3.5	0.5	22, 22, 22, 20
4	48.6	9.1	28.948	50.8	49.3	91	28.868	50.6	49.3	92	.130	6.0	2.2	22, 20, 20, 19
5	39.5	2.7	29.088	41.0	38.5	81	29.204	39.5	37.1	82	.355	3.5	1.5	22, 22, 22, 20
6	36.3	10.0	29.148	36.6	35.3	90	28.836	40.0	39.3	95	.064	3.5	0.5	— 18, 16, 22
7	38.2	6.6	28.588	38.2	36.9	90	28.785	39.4	36.1	74	.070	8.0	1.6	18, 18, 22, 20
8	39.9	6.6	28.901	42.6	41.1	90	28.926	37.8	36.5	89	.048	3.3	0.9	20, 22, 20, 22
10	41.1	10.0	29.272	41.2	39.9	90	29.103	43.0	42.1	93		0.5	0.0	— — — —
11	39.5	6.7	28.815	39.0	37.5	88	28.909	39.8	35.3	67	.270	4.2	1.7	20, 22, 22, 22
12	35.8	7.4	28.914	36.0	36.1	100	29.041	36.6	35.8	94	.130	2.4	0.0	— — — —
13	34.9	10.0	28.885	35.2	35.3	100	28.966	38.4	36.9	88	.182	0.0	0.0	— — — —
14	32.8	4.1	29.465	36.0	33.9	83	29.546	32.8	31.5	88		1.0	0.0	— 28, — —
15	33.7	10.0	29.188	35.0	34.9	99	28.953	33.6	33.6	100	.036	0.4	0.2	12, 16, 10, 10
17	32.6	7.4	29.216	33.2	32.9	97	29.348	31.2	30.4	93	.300	1.5	0.4	4, 2, 2, —
18	30.0	2.6	29.667	25.1	24.6	95	29.600	31.8	31.3	96		0.7	0.0	— — — —
19	41.3	9.0	29.555	40.2	39.7	96	29.307	46.0	44.6	90	.020	4.6	0.3	— 20, 20, 18
20	43.8	7.2	28.907	47.5	47.6	100	29.285	41.8	37.3	68	.648	7.5	1.9	18, 21, 24, 22
21	39.7	6.7	28.978	42.0	40.3	88	28.941	37.8	35.3	80	.042	1.5	0.2	— 22, 26, 22
22	37.0	4.0	29.337	38.2	34.3	69	29.552	38.8	35.5	74		2.5	0.7	30, 30, 30, 2
24	35.0	9.2	30.073	31.6	31.9	79	29.962	36.6	34.3	81		0.3	0.1	— — 18, 18
25	35.8	9.9	29.638	36.8	35.7	91	29.563	36.8	35.9	92		0.8	0.2	15, 16, 15, 8
26	35.4	9.9	29.587	35.3	35.1	98	29.615	37.8	36.9	92		0.2	0.0	— — — —
27	36.2	9.9	29.677	37.3	36.7	95	29.659	38.0	37.3	94	.142	0.2	0.1	4, — 0, —
28	29.0	10.0	29.779	29.1	29.2	100	29.779	29.6	29.6	100		0.0	0.0	— — — —
29	31.0	2.4	29.685	27.9	27.7	97	29.579	34.0	33.3	94	.018	0.3	0.1	— 20, — 20
Feb. 1	38.6	2.8	29.846	38.2	36.6	86	29.911	42.0	40.3	87		0.2	0.1	22, 22, — 20
2	36.2	3.7	29.920	37.0	35.3	85	29.883	37.6	36.3	89		0.7	0.1	4, 24, 20, —
3	37.1	10.0	29.854	37.8	36.5	89	29.745	39.6	37.9	87		0.7	0.1	— — — 18
4	36.7	10.0	29.452	36.8	35.9	92	29.400	34.2	33.5	94	.040	1.0	0.2	— 18, 18, 17
5	34.2	9.9	29.611	35.7	35.3	97	29.657	35.2	34.1	91	.070	1.3	0.2	— — 2, 4
7	35.8	9.4	29.804	37.2	35.1	83	29.779	37.0	35.3	86	.033	1.7	0.2	4, 4, 29, 2
8	32.2	1.5	29.209	32.6	31.3	89	29.158	33.5	32.3	90		0.7	0.1	— 25, 20, 20
9	27.7	10.0	29.080	28.4	28.4	100	29.016	29.1	29.2	100		0.2	0.0	— — — —
10	32.7	10.0	29.029	33.0	32.9	99	28.960	34.0	33.9	99		0.6	0.0	4, 4, 5, 6
11	32.7	10.0	29.258	35.0	33.8	90	29.324	32.2	32.3	100	.480	4.0	0.5	4, 4, 4, 4
12	25.5	7.2	29.404	26.3	26.2	99	29.480	27.1	27.0	99		4.0	0.1	— — 30, 4
14	20.4	4.2	29.459	22.0	22.0	100	29.499	25.7	25.7	100	1.020	0.6	0.2	4, 4, 4, 4
15	28.9	9.9	29.727	31.6	31.6	100	29.703	31.0	31.2	100	.155	0.2	0.0	— — — —
16	31.2	6.5	29.651	31.8	31.8	100	29.682	33.0	32.5	96	.045	1.5	0.3	4, — 2, 2
17	28.8	5.2	29.780	29.4	29.4	100	29.762	32.8	32.1	94		4.2	0.4	17, — 0, 0
18	29.7	4.6	29.627	31.6	31.1	96	29.511	28.1	28.1	100	.438	4.0	1.7	0, 0, 0, 31
19	27.6	6.0	29.482	29.7	27.6	81	29.418	31.0	30.4	94		3.0	0.2	31, 0, 31, —
21	31.1	4.4	29.465	34.3	32.3	83	29.620	31.0	30.4	94		3.5	0.9	4, 4, 0, 0
22	32.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.621	1.0	.....	— — — —
23	35.6	9.2	29.739	37.8	35.3	80	29.750	37.2	34.9	81		1.0	0.0	— — 0, —
24	31.7	7.4	29.335	36.6	33.6	75	29.350	29.1	28.2	92		6.5	2.0	— 0, 1, 0
25	34.7	9.5	29.563	35.0	35.1	100	29.257	37.2	35.3	85		4.2	0.1	30, 28, 25, —
26	32.5	8.1	29.529	33.8	32.3	87	29.525	35.6	33.6	84	.158	3.0	0.5	31, 0, 28, 26
28	31.6	10.0	28.926	32.6	32.7	100	29.113	33.0	32.1	93	.288	9.6	3.8	28, 2, 2, 1
29	29.2	5.7	29.652	33.0	30.2	77	29.578	34.2	32.3	84	.426	0.3	0.1	— — 26, 24

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mäkerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mäkerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Mar.	1	34.6	9.4	29.475	36.5	34.6	84	29.473	37.0	36.1	92	-088	0.5	0.1	31, 4, — —
	2	34.2	9.7	29.212	37.6	37.1	96	29.326	34.0	33.3	94		4.7	2.2	30, 30, 30, 0
	3	31.6	9.3	29.816	33.0	30.4	78	29.807	35.6	32.3	72		1.3	0.0	— — 26, —
	4	34.4	9.0	29.754	36.0	32.1	68	29.679	41.0	37.5	74		0.5	0.1	— 23, 26, 22
	5	37.2	10.0	29.545	38.6	36.8	86	29.586	41.6	39.3	83		0.3	0.0	— — — —
	7	38.5	1.1	29.727	41.2	38.5	79	29.710	46.0	41.3	68	-015	0.2	0.0	17, 20, — 20
	8	39.8	6.9	29.577	40.2	37.9	82	29.652	48.2	43.1	68		1.0	0.5	— 20, 22, 24
	9	42.3	10.0	29.764	43.0	41.3	87	29.726	46.6	44.3	84		2.5	0.3	21, 20, 20, 20
	10	44.4	5.0	29.745	46.5	42.9	76	29.902	51.5	45.3	62		3.2	0.7	22, 22, 22, —
	11	42.1	5.7	30.009	45.0	43.1	86	29.960	48.8	44.6	73		1.7	0.1	— — 18, 14
	12	34.5	7.0	29.872	35.3	34.1	89	29.779	41.6	38.5	77	0.6	0.1	— — 18, 17	
		14	37.9	10.0	29.426	40.0	39.9	99	29.389	39.6	39.1	96	-020	1.5	0.2	4, 4, 6, 8
15		35.2	10.0	29.391	36.0	35.6	96	29.393	38.0	37.9	99	1.5		0.4	4, 5, 4, 4
16		33.3	10.0	29.602	35.2	34.7	96	29.659	32.8	32.5	97	1.5		0.2	8, — — 9
17		27.9	8.1	29.802	29.4	28.7	93	29.774	30.9	30.4	95	0.4		0.1	— 4, 6, 12
18		27.3	3.2	29.981	29.4	29.2	98	30.030	32.0	31.3	94	0.5		0.2	— 7, 8, 9
19		32.7	2.7	30.017	34.8	31.5	74	29.951	39.0	34.3	63	0.6	0.2	— 29, 0, 27	
21		31.8	6.9	29.715	33.8	31.9	84	29.772	34.6	31.6	76	-150 -020	3.0	1.1	4, 2, 6, 4
22		29.9	6.6	29.865	32.0	31.2	93	29.848	33.0	31.8	89		2.5	0.3	0, 0, 2, 6
23		29.4	1.0	29.854	35.3	30.0	59	29.786	33.6	31.3	82		1.7	0.2	1, 1, 1, —
24		27.5	4.5	29.707	31.6	30.4	89	29.672	30.7	30.4	97		2.0	0.2	2, 2, 2, 2
25		28.4	2.4	29.787	29.1	27.4	85	29.733	37.0	33.5	71		0.2	0.0	— — 16, —
26		36.4	5.5	29.749	35.3	31.5	70	29.689	42.0	35.3	53	0.5	0.0	— — — —	
April	28	42.0	5.9	29.966	44.4	41.3	78	29.955	48.0	43.5	71	-020 -010	0.2	0.0	— — — —
	29	42.7	0.4	29.960	44.0	40.3	73	29.842	50.6	44.6	63		0.2	0.1	24, — 20, 18
	30	37.2	1.4	29.662	41.2	36.2	64	29.552	44.8	40.3	69		1.0	0.1	— — 18, 12
	31	38.7	8.2	29.430	39.2	37.5	86	29.306	48.6	44.3	73		0.5	0.1	— — 16, 17
	1	41.9	9.6	28.603	45.0	42.9	86	28.588	43.6	41.3	84		5.0	2.2	18, 18, 20, 20
	2	44.0	9.7	29.063	48.2	44.1	74	29.197	48.5	44.5	75	5.0	2.2	20, 26, 26, 23	
	4	46.4	9.8	29.396	51.0	47.3	78	29.355	49.3	46.1	80	-020	1.3	0.2	— 20, 22, 20
	5	47.5	1.9	29.405	51.6	45.3	63	29.503	54.5	48.1	64		2.5	0.7	— 26, 22, 22
	6	48.1	6.5	29.283	52.3	50.2	87	29.318	53.9	49.3	73		5.7	2.8	24, 22, 23, 24
	7	43.0	8.9	29.154	47.6	44.6	81	29.299	43.8	43.1	95		4.0	0.8	22, 23, 28, 1
	8	38.5	7.7	29.684	41.0	39.1	85	29.810	42.0	39.1	78		3.3	0.9	1, 1, 2, 2
	9	39.3	5.4	30.061	40.3	37.3	77	29.923	42.6	42.3	97	2.0	0.2	— 31, — 24	
11	47.9	4.5	29.807	53.0	50.9	87	29.811	52.0	50.3	89	-020	3.2	1.7	26, 24, 30, 30	
12	41.2	9.1	29.789	44.8	42.3	82	29.758	45.0	43.3	88		2.0	0.8	0, 31, 0, 2	
13	40.1	7.5	29.952	42.3	40.6	87	29.920	47.0	43.7	77		4.0	0.7	4, 4, 3, 2	
14	42.3	9.7	29.836	48.0	46.1	87	29.870	43.6	41.6	85		1.6	0.4	30, 31, — 4	
15	45.1	10.0	29.890	48.6	44.7	75	29.850	48.6	47.1	90		0.5	0.0	— 4, — —	
16	47.0	10.0	29.823	50.8	48.1	82	29.754	52.0	49.3	83	1.0	0.2	25, — 24, 24		
18	52.0	8.6	29.769	56.9	53.3	80	29.752	53.8	50.6	81	-010 -020	2.3	0.3	22, 22, 22, 20	
19	45.9	10.0	29.546	50.8	47.6	80	29.448	48.2	45.5	82		2.0	0.9	22, 20, 20, 21	
20	43.0	2.4	29.562	46.0	40.7	65	29.504	51.2	43.1	52		1.2	0.3	31, 0, 0, 3	
21	38.9	4.2	29.385	44.0	39.9	71	29.374	42.0	38.9	77		0.6	0.3	10, 8, 8, 9	
22	38.8	7.6	29.363	42.6	38.3	69	29.395	43.8	38.5	64		0.7	0.3	6, 6, 6, 8	
23	42.5	10.0	29.481	47.6	43.3	72	29.456	47.0	41.3	63	1.3	0.6	20, 20, 23, 28		
25	36.0	8.7	29.310	38.0	37.3	94	29.412	40.8	39.3	88	-006	1.8	0.4	4, 5, 4, 4	
26	38.2	9.1	29.536	42.8	39.6	77	29.555	43.8	39.7	71		2.2	0.9	0, 2, 2, 2	
27	39.8	5.5	29.569	43.2	39.6	75	29.557	43.6	40.3	77		1.5	0.2	— 22, 20, —	
28	43.6	7.3	29.636	48.8	45.1	76	29.636	46.8	43.3	77		1.0	0.1	— — 22, 12	
29	42.2	5.2	29.586	50.8	43.1	54	29.526	47.4	41.3	61		2.0	0.4	24, 12, 14, 12	
30	42.2	9.3	29.470	45.2	41.6	75	29.477	52.2	46.6	67	0.8	0.0	14, — — 12		

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
May	2	44.2	9.3	29.784	45.8	44.5	91	29.770	47.6	46.3	91	1.6	0.8	6, 6, 12, 8
	3	43.5	10.0	29.809	46.0	45.6	97	29.880	46.0	45.3	95	2.8	0.5	10, 10, 10, 10
	4	48.7	7.3	30.083	50.3	48.5	88	30.094	58.1	49.9	57	0.6	0.2	— 10, 10, 15
	5	50.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.5	0.5	— — — —
	6	43.5	10.0	29.887	48.0	44.1	74	29.825	45.0	41.3	74	1.2	0.5	6, 6, 4, 6
	7	36.8	6.0	29.513	40.6	35.1	60	29.481	39.4	36.7	79	6.0	1.7	2, 2, — 2
	9	36.4	7.6	29.451	39.0	37.3	87	29.483	43.0	38.9	71	1.7	0.5	— 4, 4, 4
	10	39.6	7.1	29.684	42.8	36.6	56	29.731	44.0	39.6	69	1.5	0.3	4, 2, 2, 4
	11	41.8	9.7	29.754	41.5	39.5	85	29.736	51.6	47.1	73	2.7	0.7	— 22, 24, 24
	12	43.5	5.1	29.970	47.0	42.5	70	29.994	46.3	41.3	66	1.3	0.3	6, 8, 10, 10
	13	43.7	6.2	30.106	46.8	42.3	70	30.072	49.0	44.3	70	2.0	0.7	8, 8, 8, 9
	14	47.4	7.9	29.988	50.8	46.9	76	29.961	51.5	47.3	74	1.8	0.2	6, 8, 12, 14
	16	47.6	8.0	29.747	56.2	46.7	49	29.726	50.0	46.1	75	1.9	1.0	10, 10, 12, 10
	17	48.1	2.6	29.717	53.6	49.1	73	29.765	53.8	47.1	61	1.2	0.4	7, 9, 14, 10
18	49.4	3.2	29.787	49.9	46.6	79	29.728	61.6	52.5	55	1.4	0.0	— — 2, —	
19	53.0	1.0	29.767	58.1	50.5	60	29.755	57.7	49.1	54	0.4	0.2	— 8, 6, 6	
20	50.7	4.6	29.870	51.8	45.6	63	29.832	64.4	55.6	58	0.3	0.0	— — — —	
21	54.8	0.6	29.896	60.6	51.3	52	29.888	62.2	52.9	54	1.0	0.1	— — 12, 12	
23	52.7	0.0	30.047	55.9	48.9	61	29.988	61.0	56.2	75	0.5	0.1	— — 4, 4	
24	56.0	0.0	.....	.....	.....	.....	29.904	65.9	54.6	48	0.5	0.3	— — 7, 12	
25	56.5	3.6	29.685	61.0	53.6	62	29.585	64.7	53.5	46	1.6	0.4	— 10, 10, 11	
26	55.5	9.9	29.417	60.4	54.8	71	.....	.....	.....	.....	0.2	0.0	— — — —	
27	55.1	10.0	29.494	56.5	51.7	73	29.479	57.7	53.9	79	0.4	0.0	— 8, — 6	
28	52.5	8.0	29.374	57.7	51.7	68	29.384	51.6	50.6	94	0.4	0.1	22, 22, 20, —	
30	49.3	10.0	29.916	50.5	49.6	94	29.950	54.3	51.6	84	0.6	0.2	2, 4, 2, —	
31	48.9	5.6	29.979	51.3	49.7	90	29.917	56.3	52.7	80	0.6	0.1	— — 6, 2	
June	1	53.5	4.2	29.878	57.2	53.3	78	29.851	62.1	53.6	58	0.5	0.1	— — 8, 6
	2	47.3	10.0	30.040	50.6	47.1	78	30.040	53.8	47.3	62	1.0	0.4	4, 4, 4, 5
	3	52.2	9.0	30.039	54.1	48.3	66	29.927	58.8	51.6	61	0.4	0.1	— — — 4
	4	50.6	7.4	29.879	53.8	48.5	69	29.808	55.3	49.5	67	0.7	0.2	1, 8, 4, 6
	6	57.7	9.9	29.655	64.8	58.4	69	29.692	60.3	55.8	76	0.3	0.0	— — — 20
	7	58.6	3.4	29.795	62.6	55.2	63	29.783	65.4	57.5	62	0.3	0.0	— — — 8
	8	65.2	1.1	29.809	67.9	57.2	52	29.729	74.6	60.7	45	1.0	0.2	— 16, 20, 20
	9	60.0	10.0	29.759	63.1	60.1	85	29.733	63.8	61.1	86	0.6	0.1	14, 12, 14, —
	10	59.4	9.6	29.743	64.8	60.1	77	29.698	66.2	.....	.....	0.0	0.0	— — — —
	11	55.9	10.0	29.581	59.6	56.4	83	29.577	55.9	54.8	94	0.5	0.1	1, — — 24
	13	53.5	7.4	29.662	55.7	54.1	90	29.699	59.6	55.4	78	0.9	0.3	4, 7, 6, 6
	14	61.4	1.6	29.708	64.8	58.7	70	29.628	70.6	59.0	50	0.6	0.1	— 22, 24, 24
	15	57.8	9.4	29.703	59.8	55.4	77	29.739	57.7	54.7	83	0.5	0.1	— — 7, 6
	16	58.4	7.4	29.793	62.0	51.3	48	29.772	65.0	55.6	56	0.6	0.1	— 18, 22, 22
17	57.7	8.1	29.724	57.5	55.2	87	29.682	64.8	57.5	65	1.4	0.4	20, 16, 20, 18	
18	57.4	9.8	29.544	60.8	51.7	55	29.511	65.0	58.1	67	2.6	1.3	20, 20, 18, 18	
20	53.8	10.0	29.377	57.7	55.2	86	29.412	54.3	53.1	92	1.2	0.1	— — — 1	
21	48.5	8.8	29.589	62.6	57.8	76	29.610	64.0	60.3	81	2.3	0.8	— 3, 2, 4	
22	56.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.5	0.2	— — — —	
23	63.7	5.6	29.621	69.1	62.7	71	29.588	68.5	68.3	99	0.6	0.2	— — 1, 4	
24	50.9	10.0	29.516	50.6	50.1	97	29.500	50.6	49.6	93	1.0	0.1	— 2, 2, —	
25	54.3	7.1	29.427	57.4	50.1	61	29.377	62.8	55.4	64	0.4	0.2	28, 25, 0, —	
27	57.1	9.6	29.125	62.0	56.2	71	29.135	60.8	56.4	77	2.6	0.7	20, 22, 21, 20	
28	58.8	7.2	29.278	62.4	57.0	73	29.170	62.0	58.4	82	1.5	0.4	22, 20, 22, 28	
29	55.4	7.4	29.048	57.1	54.5	86	29.161	59.7	56.5	83	7.8	1.8	21, 19, 18, 20	
30	56.6	8.1	29.312	59.6	55.4	78	29.276	62.1	56.4	71	3.2	0.7	18, 19, 16, 24	

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
July 1	54.2	9.2	29.319	56.9	52.3	75	29.369	57.5	54.3	82	-355	2.2	0.6	20, 21, — 24
2	52.8	9.7	29.724	56.1	51.7	75	29.806	57.9	51.5	65	-030	0.8	0.5	24, 25, 28, 24
4	57.2	10.0	29.685	59.9	58.5	92	29.635	59.9	57.7	88	-010	3.0	0.9	18, 20, 20, 18
5	59.9	10.0	.....	.....	.....	.....	.....	.....	.....	.....	-038	3.8	0.2	— 18, — —
6	58.7	8.1	29.567	63.0	58.8	79	29.556	61.6	57.8	80	-098	1.3	0.4	20, 20, 18, 20
7	59.4	9.2	29.623	64.1	59.5	77	29.651	63.8	57.4	69	.....	1.3	0.7	20, 18, 21, 26
8	56.2	8.8	29.864	58.5	56.2	87	29.877	62.6	59.4	83	.....	0.9	0.3	6, 6, 8, 9
9	57.0	10.0	29.871	61.1	59.2	90	29.824	57.9	54.1	79	-020	0.8	0.4	8, 8, 14, 16
11	58.9	9.4	29.620	65.0	58.8	70	29.649	62.0	58.0	80	-178	1.2	0.7	20, 18, 24, 18
12	57.3	9.9	29.745	63.1	55.2	61	29.734	58.9	56.2	85	-080	0.5	0.0	22, — — —
13	58.3	7.5	29.649	60.8	55.4	72	29.567	62.8	57.1	72	-150	0.7	0.1	— 8, 8, 6
14	51.6	10.0	29.242	52.7	51.5	93	28.978	54.9	54.5	97	-770	5.8	1.5	4, 0, 0, 2
15	53.0	10.0	.....	.....	.....	.....	28.957	57.8	55.3	86	-060	1.7	0.2	— — 10, 20
16	54.6	8.1	29.183	55.6	51.5	77	29.204	58.9	54.2	75	-180	3.3	0.7	16, 20, 16, 16
18	55.9	9.1	29.452	57.4	56.4	94	29.470	57.8	56.1	90	-292	1.4	0.2	20, 20, — —
19	57.2	9.0	29.672	57.6	54.4	82	29.697	66.2	59.8	69	.....	0.0	0.0	— — — —
20	58.2	7.6	29.582	61.4	56.9	77	29.520	59.9	57.3	86	.....	2.9	0.4	20, 20, 20, 20
21	58.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.6	.....	— — — —
22	55.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.4	.....	— — — —
23	57.8	5.8	29.643	59.9	55.1	75	.....	.....	.....	.....	-175	1.4	0.4	22, 20, 16, —
25	55.6	.....	.....	.....	.....	.....	29.306	57.6	55.4	88	.....	3.0	.....	— — — 22
26	55.2	8.5	29.296	58.5	54.3	76	29.352	56.4	53.8	85	-210	3.2	0.7	20, 20, 22, 22
27	54.7	9.4	29.509	56.3	54.3	88	29.534	60.3	56.3	79	-022	2.6	0.6	20, 20, 20, 20
28	56.4	9.4	29.545	58.4	55.0	82	29.521	62.4	57.1	73	.....	1.2	0.1	26, 26, 24, 22
29	53.9	10.0	29.455	56.2	54.2	88	29.316	57.4	55.3	88	.....	3.4	0.4	— 18, 16, 18
30	53.2	10.0	29.285	56.5	53.2	82	.....	.....	.....	.....	-038	2.6	0.7	22, 22, 22, —
Aug. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-108	0.8	.....	— — — —
2	55.5	7.6	29.662	58.2	52.9	71	29.707	65.0	60.0	75	.....	0.7	0.0	— — — —
3	54.5	9.2	29.777	58.7	53.0	69	.....	.....	.....	.....	.....	0.6	0.0	— — — —
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.5	.....	— — — —
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.6	.....	— — — —
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.6	.....	— — — —
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.2	.....	— — — —
9	60.0	9.2	29.903	63.8	60.9	85	30.010	64.8	62.1	86	.....	0.8	0.0	20, — — —
10	57.8	2.7	30.121	61.0	56.6	77	30.080	64.8	61.1	81	.....	0.0	0.0	— — — —
11	58.0	5.4	30.112	62.4	58.8	81	30.052	65.4	62.9	87	.....	0.7	0.0	— — — 4, —
12	57.1	9.0	30.109	61.3	56.5	75	30.081	61.0	57.8	83	.....	0.5	0.0	— — — 4
13	53.2	10.0	30.071	55.3	52.9	85	30.029	55.9	54.6	92	.....	0.5	0.1	— — 6, 6
15	54.9	10.0	29.810	59.4	57.2	87	29.759	58.8	57.4	92	.....	0.2	0.0	— 21, 8, —
16	56.6	9.5	29.512	61.4	58.4	84	.....	.....	.....	.....	.....	0.2	0.1	— 12, 11, —
17	52.4	6.3	29.502	54.6	52.3	87	29.541	56.9	53.9	83	-050	0.9	0.4	1, 2, 2, 2
18	55.8	9.8	29.630	57.9	54.9	83	29.598	63.0	59.7	83	.....	0.5	0.0	— — — 19
19	59.8	6.1	29.572	64.1	61.1	85	29.544	63.3	60.9	87	-015	2.5	0.4	19, 20, 20, 18
20	59.5	5.7	29.469	63.0	61.3	91	29.475	64.1	61.4	86	.....	2.5	0.9	— 20, 18, 18
22	56.5	5.7	29.581	62.8	59.6	84	29.592	61.4	59.3	89	.....	1.1	0.6	18, 20, 21, 18
23	53.6	3.6	29.575	57.9	54.3	80	29.513	62.3	58.0	78	.....	0.7	0.1	— 26, — 22
24	53.6	1.8	29.587	57.1	55.0	88	29.530	62.4	59.0	82	.....	0.7	0.1	— 27, — 28
25	53.3	10.0	29.415	57.4	56.4	94	29.314	59.4	57.2	88	-042	1.7	0.3	— 13, 16, 16
26	56.9	6.1	28.891	62.2	58.8	83	28.706	60.0	58.2	90	-420	1.6	0.6	— 15, 18, 10
27	54.7	9.0	28.745	55.2	54.8	97	28.825	62.4	56.2	69	-697	1.3	0.3	26, 28, 30, —
29	53.9	8.9	29.463	56.8	55.0	90	29.497	56.0	52.7	81	-490	0.6	0.2	— — 16, 20
30	52.6	6.7	29.625	59.1	54.2	74	29.562	56.9	53.1	79	.....	1.1	0.0	20, 20, 20, 20
31	50.4	6.6	29.485	55.8	51.3	74	29.501	57.3	52.2	72	-268	0.2	0.0	22, 18, 28, 28

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Sept. 1	51.4	7.7	29.584	57.3	53.9	81	29.575	54.9	52.5	86		0.8	0.1	20, 6, 6, 6
2	48.4	7.0	29.711	52.3	.....	.....	29.755	52.2	47.5	71	-270	2.9	1.5	0, 0, 0, 0
3	50.2	9.2	29.989	53.6	49.0	73	30.079	55.3	49.8	69		1.7	0.6	30, 30, 0, 0
5	48.6	0.9	30.289	54.0	49.6	74	30.252	59.5	52.9	65		0.3	0.0	20, 20, 20, 20
6	51.5	2.7	30.230	58.3	53.2	72	30.147	62.2	55.4	65		0.0	0.0	20, 24, 18, 18
7	50.6	2.2	30.064	55.0	52.7	86	.....	.....	.....	.....		0.0	0.0	20, 12, —
8	52.2	7.9	29.810	56.9	53.9	83	29.765	54.8	52.8	88		0.5	0.2	2, 0, 2, 2
9	53.1	10.0	29.658	56.7	53.3	81	29.612	57.7	55.6	88	-055	0.2	0.1	— — 7, 9
10	56.7	7.8	29.625	60.9	57.3	81	29.630	61.8	52.3	53	-020	7.0	0.3	13, 7, 12, 8
12	55.9	8.2	29.715	56.5	54.5	88	29.733	60.2	51.9	57		1.5	0.3	18, 18, 18, 15
13	49.8	9.4	29.741	50.6	49.6	93	29.754	57.5	53.3	76	-686	0.7	0.1	— 20, 24, 24
14	50.0	9.4	29.780	56.6	53.3	81	29.739	56.5	53.3	82		0.7	0.1	— 16, 16, —
15	52.2	7.8	29.891	55.9	53.6	86	29.913	56.9	54.6	86	-030	0.3	0.0	— — — 4
16	49.8	9.7	29.898	52.3	50.0	86	29.819	58.7	56.4	87		0.0	0.0	— — — —
17	55.5	7.2	29.830	60.3	55.4	74	29.839	60.3	57.2	83		1.8	0.1	— 19, 18, —
19	53.4	4.5	29.827	56.9	53.9	83	29.775	56.2	53.5	84		4.0	1.6	20, 18, 16, 20
20	55.9	9.6	29.696	59.9	56.8	83	29.680	60.9	57.5	82		2.8	0.2	20, 20, 19, 18
21	54.4	8.7	29.584	59.7	56.2	81	29.555	56.5	55.2	93		1.8	0.5	— 20, 19, 22
22	53.4	9.9	29.277	59.2	56.0	82	29.256	52.4	51.3	93		3.5	1.1	22, 20, 22, 21
23	45.5	2.5	29.230	51.5	47.1	73	29.191	46.0	43.6	84	-042	4.6	1.9	20, 18, 20, 20
24	46.3	2.2	29.315	51.8	46.5	69	29.358	51.0	45.5	67	-150	3.7	0.5	22, 28, 25, 25
26	46.1	2.8	29.370	47.6	42.9	70	29.499	48.6	44.6	75	-510	6.5	1.4	28, 0, 30, —
27	49.3	9.7	29.542	50.7	50.3	97	29.527	54.0	50.5	80		0.8	0.2	— — 23, 22
28	52.7	9.5	29.183	57.3	55.9	92	29.209	54.9	50.5	75		6.8	3.1	22, 20, 22, 20
29	48.8	5.6	29.485	51.6	47.9	78	29.483	51.8	46.7	69	-136	4.8	0.6	26, 21, — 26
30	47.1	3.3	29.595	51.6	46.6	70	29.570	52.2	46.9	69		2.4	0.7	20, 22, 24, 26
Oct. 1	43.4	9.1	29.253	46.0	44.5	90	29.245	45.3	43.1	85	-242	3.8	0.0	— — 22, —
3	40.8	1.6	29.744	45.0	42.6	83	29.720	47.3	44.1	79	-024	1.7	0.1	— — 23, 22
4	51.1	9.2	29.116	51.0	49.9	93	29.144	55.3	53.1	87	-022	5.8	1.1	18, 18, 18, 20
5	52.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	-020	0.7	.....	— — — —
6	48.1	10.0	29.388	49.8	49.8	100	29.373	48.0	47.6	97	-448	2.8	0.6	4, 3, 4, 4
7	50.0	10.0	29.201	51.8	50.8	94	29.216	51.0	50.7	98	-691	2.7	0.1	6, 6, — 8
8	49.6	8.4	29.357	42.2	41.8	97	29.347	51.6	51.3	98	-142	0.4	0.1	— — 4, 4
10	49.3	10.0	29.714	51.0	50.9	99	29.792	50.2	49.3	94	-337	0.4	0.1	4, 6, 6, 4
11	47.5	10.0	29.645	49.4	49.1	98	29.641	49.0	48.3	95	-170	0.6	0.2	4, 4, 3, 4
12	46.4	7.7	29.649	50.0	48.9	93	29.645	49.0	47.5	90	-200	0.4	0.0	— — — —
13	46.8	10.0	29.701	48.0	47.7	97	29.700	48.5	46.5	87	-180	0.4	0.2	4, 4, 4, 4
14	47.6	9.4	29.601	49.2	47.3	88	29.461	49.6	47.5	87	-020	0.2	0.1	— 16, 16, 16
15	47.4	8.8	.....	.....	.....	.....	29.085	50.5	47.1	79	-070	2.0	0.8	16, — 20, 22
17	41.6	2.3	28.943	45.0	42.3	81	28.910	45.4	42.6	81		1.0	0.1	— 24, — 24
18	39.7	1.9	29.222	42.4	40.3	84	29.199	45.2	42.3	80		0.2	0.0	— — — —
19	40.2	9.6	29.171	44.6	43.6	93	29.112	45.0	45.1	100		0.2	0.1	— — 6, —
20	43.1	1.9	29.278	44.5	42.3	84	29.358	47.0	42.9	73	-133	0.4	0.1	22, 24, 25, 25
21	50.7	10.0	29.129	51.6	49.5	87	29.026	57.2	55.7	92	-040	10.0	1.9	23, 23, 16, 18
22	52.5	4.7	29.185	55.7	52.1	80	29.343	53.6	50.7	83	-302	10.0	3.7	18, 18, 18, 20
24	55.2	8.7	29.611	57.3	56.2	94	29.530	57.1	54.8	87	-360	2.1	0.6	16, 16, 16, 16
25	53.7	6.2	29.513	56.7	54.4	87	29.286	56.9	54.5	86	-010	1.1	0.2	18, — 6, 14
26	44.9	10.0	29.557	44.3	44.2	99	29.416	48.8	48.5	98	-185	5.5	0.1	— 14, 4, 4
27	43.9	4.0	29.422	45.3	45.1	99	.....	.....	.....	.....	-012	0.8	0.0	— — — —
28	46.6	10.0	29.308	48.2	48.1	99	29.181	48.0	48.1	100	-040	0.2	0.0	— — — —
29	44.0	3.3	29.544	46.3	43.9	84	29.599	46.8	43.5	78	-758	0.8	0.1	— 20, 20, 18
31	48.4	10.0	29.444	49.2	45.7	78	29.436	51.0	47.5	79		5.5	1.5	18, 17, 16, 16

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Nov. 1	53.7	10.0	29.464	56.2	53.1	82	29.471	53.3	50.4	83	-020	5.2	1.3	17, 17, 20, 16
2	48.6	4.1	29.339	53.3	48.7	73	29.605	48.0	45.3	82		8.5	2.2	14, 18, 20, 20
3	39.7	2.7	29.960	40.3	39.9	96	29.929	45.6	44.5	92		1.0	0.0	— 0, — —
4	47.8	5.5	29.796	50.2	49.3	94	29.749	50.0	47.5	84	-068	0.0	0.0	— — — —
5	45.5	10.0	29.688	47.0	45.3	88	29.636	46.9	45.5	90		0.9	0.2	20, 12, 13, 14
7	49.2	8.4	29.994	50.3	48.3	87	30.022	50.2	46.9	79	-010	0.5	0.1	— — 22, 22
8	46.3	6.0	29.814	51.6	50.5	93	30.016	42.6	39.3	76	-030	4.8	1.7	18, 19, 22, 24
9	44.7	7.8	30.212	47.6	42.6	67	30.155	44.6	42.3	83		1.7	0.3	20, 20, 20, 20
10	46.8	10.0	30.034	47.5	45.3	85	.....	.....	.....	.....		2.0	0.5	22, 21, — —
11	41.4	4.7	30.084	45.2	42.7	82	30.122	41.2	38.9	82		1.2	0.1	— 22, 22, —
12	36.1	1.9	30.131	39.0	38.1	92	29.979	39.2	38.9	97		0.4	0.0	— — 20, —
14	34.9	7.6	29.550	36.8	36.3	96	29.507	36.6	36.1	96		0.0	0.0	— — — —
15	33.5	3.2	29.459	35.2	34.3	92	29.455	34.6	33.5	90		0.0	0.0	— — — —
16	35.3	10.0	29.506	36.5	36.1	96	29.464	38.2	37.9	97	-164	0.0	0.0	— — — —
17	29.3	0.2	29.605	31.2	31.0	98	29.624	30.7	30.4	97		0.0	0.0	— — — —
18	40.4	8.3	29.584	40.6	39.5	91	29.610	41.8	40.7	92		1.8	0.2	18, 17, — —
19	48.0	9.5	29.536	48.3	46.6	88	29.456	50.2	47.9	85	-120	4.5	1.8	18, 19, 18, 18
21	30.5	3.2	30.130	30.7	31.6	100	30.131	35.8	35.5	97		0.0	0.0	— — — —
22	32.7	3.2	30.086	33.6	32.3	88	29.993	35.3	34.1	89		0.0	0.0	— — — —
23	29.6	3.0	29.976	30.5	30.4	99	29.957	31.8	31.2	94		0.0	0.0	— — — —
24	34.6	10.0	29.673	36.0	34.7	89	29.708	35.9	34.9	91	-040	3.2	0.3	18, 16, 18, 18
25	35.4	9.6	29.734	35.2	34.3	92	29.570	37.9	36.3	87	-310	3.7	0.7	— — 17, 18
26	32.2	3.5	29.740	33.0	32.1	92	29.835	33.2	33.1	99	-042	3.6	0.0	— — — —
28	38.7	5.2	29.803	42.3	41.5	94	29.834	37.8	37.3	96		0.4	0.0	— — 18, —
29	46.3	10.0	29.452	46.8	45.3	90	29.458	47.6	47.1	97	-090	4.2	1.3	16, 17, — 19
30	38.3	2.1	29.777	40.3	39.3	92	29.875	38.6	36.9	86		1.0	0.1	16, 18, — —
Dec. 1	45.2	9.3	29.729	49.0	47.9	92	29.732	49.3	47.1	86		1.5	0.2	— 16, 20, 20
2	36.7	10.0	29.744	38.9	38.9	100	29.703	36.8	36.9	100		0.0	0.0	— — — —
3	33.5	3.8	29.732	32.6	32.1	95	29.718	39.5	39.1	97		0.0	0.0	— — — —
5	39.1	10.0	29.660	39.8	39.3	96	29.679	40.6	39.6	92		0.5	0.1	18, 18, 20, 22
6	28.3	0.4	29.920	27.7	27.8	100	29.941	29.9	30.0	100		0.0	0.0	— — — —
7	30.2	7.2	29.914	27.1	27.4	100	29.857	34.8	33.9	91		0.0	0.0	— — — —
8	36.0	6.8	29.962	40.6	40.3	97	30.063	33.0	32.3	93		0.0	0.0	— — — —
9	28.8	0.3	30.305	28.3	28.2	99	30.308	29.3	29.4	100		0.0	0.0	— — — —
10	28.0	2.2	30.278	25.4	25.4	100	30.286	38.8	38.9	100		0.1	0.0	— — — —
12	31.7	10.0	29.729	32.0	31.0	91	29.669	31.1	30.4	94		1.3	0.2	14, 12, 14, —
13	28.9	7.6	29.555	26.8	26.6	97	29.411	32.0	31.9	99		0.3	0.0	16, — — 16
14	40.4	10.0	29.330	41.6	40.3	90	29.370	39.8	38.9	93	-222	1.8	0.3	6, — 5, 4
15	38.6	9.9	29.425	38.6	36.3	82	29.387	39.0	36.1	77		3.0	0.6	2, 4, 3, 2
16	36.5	9.9	29.313	37.7	37.5	98	29.355	35.8	35.6	98	-142	1.8	0.2	2, 6, 1, 30
17	33.4	10.0	29.567	34.0	34.1	100	29.564	34.6	34.5	99	-168	0.2	0.0	— — — —
19	34.4	9.8	29.520	36.6	35.1	88	29.594	36.2	34.9	89		0.5	0.1	4, 6, 8, 4
20	38.5	9.7	29.800	38.8	38.3	96	29.840	38.8	38.3	95		1.7	0.4	4, 4, 2, 4
21	38.1	9.6	30.068	38.3	36.4	84	30.086	36.5	35.9	95	-330	2.1	0.5	4, 4, 4, 2
22	35.4	9.2	30.208	33.0	32.3	93	30.164	36.8	35.6	89	-108	1.2	0.1	— 1, 1, —
23	39.0	9.0	29.867	40.1	38.9	90	29.879	38.8	37.5	89	-109	3.0	0.6	29, 0, 2, 0
24	36.9	10.0	30.126	35.7	35.5	98	30.127	39.0	37.7	89	-122	3.0	0.1	— 16, 20, 20
26	32.7	6.2	30.001	34.8	33.1	84	30.029	32.6	30.6	83	-072	2.0	0.2	— 28, 28, 28
27	28.4	4.1	29.802	28.9	28.6	97	29.864	28.2	28.2	100		3.1	1.3	28, 2, 29, 1
28	31.4	6.0	30.015	30.7	30.6	99	30.072	33.6	33.3	98		3.3	0.7	28, 30, 1, 4
29	24.2	3.0	30.060	20.6	20.5	99	29.813	28.3	27.6	94	-250	0.5	0.2	16, 16, 17, 20
30	29.7	2.3	29.455	29.1	28.0	90	29.461	29.1	28.7	96		2.5	0.8	31, 28, 28, 28
31	23.7	0.8	29.369	26.7	26.0	93	29.288	24.8	24.7	99		1.2	0.2	20, 28, 28, 28

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Jan. 2	17.3	3.4	29.009	19.0	18.2	91	29.019	19.8	19.5	96		2.0	0.0	— — — —
3	9.6	0.6	29.267	8.2	7.7	93	29.306	12.2	12.3	100		0.0	0.0	— — — —
4	34.1	5.0	29.230	34.2	31.9	81	.....	.....	.....	.....		0.2	.....	— — — —
5	31.0	10.0	28.899	31.3	31.0	97	28.868	31.1	31.4	100		5.0	2.9	6, 6, 6, 6
6	31.1	10.0	28.880	32.1	32.0	99	28.888	31.1	31.4	100		2.0	0.3	6, 4, — 6
7	28.3	10.0	28.898	22.5	22.8	100	28.703	36.0	35.3	94		0.0	0.0	— — 6, 6
9	33.6	10.0	29.135	34.8	34.5	97	29.184	33.3	.....	.....	1.670	2.2	0.2	4, 4, 4, 2
10	32.1	10.0	29.550	32.6	32.0	95	29.660	33.6	32.1	87		3.0	0.9	2, 4, 2, 2
11	25.1	9.0	29.821	28.3	27.4	92	29.780	26.3	.....	.....		1.6	0.1	16, — 20, 18
12	25.6	6.2	29.524	23.2	.....	.....	29.315	32.6	32.3	97	378	0.5	0.1	16, — 16, —
13	31.5	6.2	29.334	31.1	30.7	97	29.302	32.8	31.9	93		0.6	0.1	— — 16, 16
14	30.5	2.7	29.354	32.0	31.9	99	29.415	30.1	.....	.....		0.6	0.0	— — — —
16	31.2	7.5	29.551	27.3	27.4	100	29.462	35.6	34.1	87		0.4	0.3	12, — — 16
17	42.7	3.2	29.400	42.5	40.6	86	29.548	43.3	41.9	90	090	3.8	1.0	24, 18, 20, 23
18	45.3	10.0	29.684	48.3	47.6	95	29.722	36.3	36.3	100		3.2	1.0	19, 20, 17, 18
19	43.6	3.4	29.686	45.0	43.3	88	29.554	45.0	41.5	76		2.0	0.4	15, 18, 16, 16
20	45.2	6.7	29.494	44.8	43.1	88	29.418	.....	.....	.....		3.0	0.5	16, 17, 16, 15
21	43.6	9.7	29.879	41.3	40.5	94	29.687	47.0	45.9	92	173	3.2	0.8	16, 14, 15, 15
23	41.9	5.2	29.717	40.2	38.5	86	29.536	43.3	41.9	90		3.3	0.4	— 16, 17, 16
24	41.3	7.5	29.054	43.6	42.3	91	29.153	39.0	36.6	81	320	5.5	1.0	16, 17, 18, 19
25	43.9	9.5	29.543	38.0	35.3	78	29.326	46.0	45.8	98		5.5	1.7	18, 17, 17, 18
26	37.3	6.5	29.729	38.8	36.0	77	30.007	36.5	33.5	75	290	4.0	1.2	18, 18, 22, 22
27	47.2	10.0	29.774	47.6	46.3	91	29.643	47.8	46.1	89	042	5.0	3.7	17, 18, 20, 18
28	37.9	4.1	29.737	39.9	38.2	86	29.784	38.2	35.6	79		5.2	0.2	18, 18, 22, 21
30	50.0	9.7	29.575	50.0	47.3	83	29.544	53.3	49.3	77	180	7.2	2.3	17, 23, 20, 20
31	44.1	6.2	29.736	44.6	41.6	79	29.659	42.6	40.9	87		4.5	1.0	18, 18, 23, 18
Feb. 1	39.0	9.4	29.634	45.6	37.5	47	29.684	37.6	34.3	74	100	3.8	0.3	— 24, 28, 33
2	36.6	0.2	29.987	38.7	36.0	78	30.041	.....	.....	.....		1.9	0.1	— 20, — 20
3	35.2	3.0	30.125	36.0	35.3	93	30.063	38.2	37.3	92		0.7	0.0	— — — —
4	34.8	7.0	29.696	35.6	33.5	82	29.436	38.0	34.9	75		2.7	0.3	— 18, 16, 16
6	50.6	7.4	29.464	51.8	46.6	69	29.454	52.8	48.6	75	040	7.0	2.7	23, 23, 22, 22
7	36.6	0.7	29.586	39.8	35.8	69	29.605	38.0	35.1	77	110	4.2	0.8	20, 20, 20, 25
8	36.8	0.7	29.676	36.6	33.6	75	29.761	39.3	35.3	69	092	3.2	1.6	24, 25, 28, 26
9	37.1	4.5	29.878	38.6	33.3	61	30.017	37.6	33.3	67		3.8	1.4	28, 27, 26, 31
10	35.4	9.9	30.193	37.0	33.6	73	30.189	36.6	33.6	75		1.3	0.2	28, 28, 28, 28
11	32.3	8.2	30.047	32.3	31.4	92	29.967	37.2	35.8	88		0.2	0.1	— 20, 18, 18
13	37.5	9.4	30.334	38.0	36.3	86	30.319	41.8	38.9	78	040	0.2	0.1	20, 20, 20, 22
14	42.8	10.0	30.184	42.2	40.3	85	.....	.....	.....	.....		2.6	0.3	20, 19, — —
15	34.6	7.2	29.832	34.3	29.7	63	29.826	34.0	29.7	65		2.5	0.4	31, 0, 30, 28
16	36.6	9.2	29.734	33.0	31.9	91	29.598	44.8	42.3	83		1.3	0.2	— 20, 17, 20
17	37.6	6.5	28.950	42.2	39.5	80	28.830	32.6	31.4	90		6.4	1.2	18, 20, 24, 20
18	32.0	1.1	29.301	32.0	30.2	85	29.466	34.3	31.5	78		7.0	4.2	29, 28, 28, 28
20	44.3	8.9	29.541	48.2	46.3	87	29.710	46.2	42.1	73		1.8	0.6	22, — 28, 30
21	35.9	6.5	30.058	36.5	34.3	81	29.944	41.3	39.3	81		1.6	0.2	— — 16, 20
22	44.3	10.0	29.569	46.0	45.3	95	29.392	48.0	46.5	90	082	4.0	1.3	16, 16, 19, 20
23	40.2	1.1	30.026	42.0	38.9	77	30.165	44.6	39.5	64	030	3.0	0.8	20, 25, 24, 23
24	43.9	9.6	29.821	44.6	42.3	84	29.708	51.0	46.5	72		4.8	1.0	20, 22, 18, 18
25	42.0	4.7	30.016	43.6	38.5	64	30.128	45.2	39.3	60		5.0	2.4	24, 28, 26, 23
27	45.6	10.0	29.924	46.8	45.3	89	29.848	46.8	45.1	88		4.0	1.6	20, 18, 20, 18
28	40.2	1.6	29.937	40.8	37.6	75	30.130	43.0	39.5	74	016	3.5	1.2	22, 26, 20, 22

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstown Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstown Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Mar. 1	42.6	3.9	30.324	47.0	41.3	62	30.336	45.0	43.2	87		2.0	0.8	22, 17, 19, 18	
2	39.9	2.7	30.338	43.0	39.9	77	30.287	46.0	41.9	72		1.5	0.3	— — 18, 20	
3	44.3	7.9	30.341	45.2	43.6	88	30.375	48.0	46.5	90		1.5	0.4	— — 18, 20	
4	35.8	0.1	30.701	36.5	36.1	96	30.626	48.6	43.3	66		0.2	0.1	— — 16, 17	
6	35.1	5.1	30.263	33.9	32.3	86	30.174	45.6	43.6	86		0.3	0.1	— — 22, 22	
7	41.7	10.0	30.058	43.6	42.7	93	29.998	46.6	45.3	91	-020	1.2	0.4	— 20, 22, 20	
8	49.5	8.4	29.778	53.0	48.9	76	29.846	52.0	46.3	65		4.2	1.4	20, 21, 24, 22	
9	51.2	9.9	29.709	53.1	51.3	89	29.680	51.0	48.9	87		3.6	1.3	20, 20, 19, 18	
10	43.9	5.5	29.492	47.6	43.5	73	29.616	42.2	39.6	81	-035	4.2	0.9	17, 23, 22, 20	
11	48.5	9.3	29.549	50.8	48.5	85	29.661	49.3	46.8	84	-023	3.0	1.4	19, 18, 20, 20	
13	48.7	9.2	29.530	48.6	45.3	79	29.358	54.0	49.3	73		3.8	1.2	— 18, 16, 16	
14	44.7	6.8	29.456	48.0	46.1	87	29.618	48.6	43.8	70	-040	4.3	0.3	— 20, 20, 18	
15	47.0	5.1	29.785	51.0	47.7	80	29.736	53.6	49.3	75		1.9	0.6	— 15, 16, 17	
16	44.7	8.5	29.609	48.6	46.3	85	29.787	45.6	41.6	73	-025	3.0	0.5	— 19, 24, 22	
17	38.4	.....	.....	.....	.....	.....	.....	.....	.....	.....		2.1	.....	20, — — —
18	41.8	5.9	29.795	45.5	42.3	78	29.760	46.6	40.3	59	-030	1.6	0.3	— 23, 26, 27	
20	39.5	10.0	30.299	41.6	39.1	81	30.338	42.3	39.6	80	-180	1.6	0.8	— 2, 4, 2	
21	39.9	9.4	30.356	42.0	39.9	84	30.366	42.8	41.3	89	-030	2.5	1.3	2, 2, 2, 3	
22	39.1	0.6	30.393	41.6	38.3	75	30.297	48.2	44.6	76		1.3	0.0	— — — 9, 10	
23	45.1	0.1	30.264	45.8	41.3	69	30.260	59.7	49.9	50		0.0	0.0	— — — —	
24	44.1	1.8	30.176	46.3	41.3	66	30.027	52.6	46.9	66		0.8	0.2	— 30, 7, 20	
25	44.1	10.0	29.717	46.2	43.3	80	29.629	48.6	44.9	77		1.6	0.5	23, 23, 22, 25	
27	46.9	8.9	29.860	47.6	43.6	73	29.773	50.2	47.5	83	-212	3.1	0.9	— 18, 22, 20	
28	50.3	8.9	30.036	52.6	47.6	70	29.995	53.9	50.2	78		2.2	0.7	20, 22, 18, 20	
29	47.6	10.0	29.930	50.0	48.3	89	29.879	50.0	48.1	87		3.0	1.2	20, 20, 20, 20	
30	45.6	8.6	29.800	49.0	48.3	95	29.618	49.0	44.9	75	-030	5.5	1.2	— 20, 22, 20	
31	44.9	5.8	30.056	47.8	42.9	68	29.928	48.0	44.1	74	-032	4.2	0.6	18, 22, 18, 20	
Apr. 1	47.3	7.2	29.793	51.6	48.5	81	29.812	55.5	50.6	72		5.8	1.3	22, 20, 20, 20	
3	42.5	4.0	30.274	46.5	41.1	64	30.272	47.0	41.9	66		1.4	0.8	24, 28, 28, 25	
4	45.4	4.7	30.142	47.6	42.3	65	30.054	50.8	44.1	59		2.6	0.8	20, 20, 20, 21	
5	47.2	6.4	29.972	51.6	46.9	72	30.054	54.2	44.5	46		3.7	0.6	20, 20, 26, 28	
6	47.7	9.9	29.960	50.3	46.6	77	29.971	50.8	46.6	74		2.6	0.8	18, 21, 20, 20	
7	46.5	9.2	30.101	48.0	44.3	76	30.077	52.5	46.9	66		1.3	0.1	— 24, 22, 21	
8	48.4	9.3	29.890	52.3	49.3	81	29.793	51.5	45.3	63		1.4	0.4	20, 16, 21, 22	
10	46.6	5.4	30.011	50.8	45.3	66	29.932	54.9	48.3	62		0.2	0.0	— — 23, —	
11	44.4	8.9	30.083	48.4	44.6	75	30.123	49.0	45.5	77		0.9	0.2	— 4, 4, 5	
12	42.8	2.4	30.312	45.6	41.5	72	30.259	51.2	42.9	50		0.9	0.3	10, 10, 10, 12	
13	44.7	7.1	30.263	49.3	44.9	72	30.279	54.9	46.9	55		0.7	0.1	— — 15, 18	
14	44.5	3.1	30.056	47.0	41.5	63	29.947	54.7	47.3	58		0.6	0.1	— 4, — 6	
15	45.5	0.1	29.907	48.5	41.3	54	29.875	57.8	45.3	37		0.3	0.0	— — 7, 6	
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.0	.....	— — — —
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.9	.....	— — — —
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.8	.....	— — — —
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		2.5	.....	— — — —
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.8	.....	— — — —
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.3	.....	— — — —
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.3	.....	— — — —
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.0	.....	— — — —
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.1	.....	— — — —
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-008	0.5	.....	— — — —
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.3	.....	— — — —
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-009	0.5	.....	— — — —
											-020				

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Sept. 1	°			°	°			°	°			1.5	.....	— — — —
2												0.9	.....	— — — —
4												1.0	.....	— — — —
5												0.2	.....	— — — —
6	60.4	0.5	30.113	64.8	59.4	73						0.9	0.2	— 23, 20, —
7	58.8	7.9	30.098	65.9	61.1	76	30.078	60.0	58.0	89		0.4	0.1	— — — —
8	53.1	6.2	30.110	55.6	53.3	86	30.092	58.1	52.7	70		0.3	0.2	4, 4, 4, —
9	53.2	0.0	30.000	56.2	51.3	72						0.2	0.0	— — 20, —
11	57.2	0.1	29.848	62.1	57.6	77						1.5	0.3	17, 20, — —
12	59.0	2.2	29.648	62.3	56.2	69	29.505	67.4	59.2	62		1.0	0.5	20, 18, 18, 19
13	55.7	5.9	29.531	58.9	55.2	80	29.474	61.8	57.2	76	-0.70	1.4	0.3	20, 18, 18, 19
14	55.3	3.1	29.326	59.9	55.0	74	29.323	58.8	53.5	72	-0.20	1.8	0.5	18, 18, 18, 18
15	54.7	4.8					29.535	59.6	54.6	74		2.2	0.5	20, — 20, 20
16	59.5	7.2	29.364	63.6	61.9	91	29.339	64.3	61.1	84	-1.20	1.8	0.4	18, 18, 16, 17
											-0.20			
18	52.1	8.0	29.563	57.3	53.9	81	29.370	56.2	56.2	100	-0.52	4.0	1.4	18, 18, 18, 16
19	52.6	8.7	29.649	58.5	53.2	72	29.627	54.0	51.6	86	-0.86	2.2	0.2	20, 22, 20, 20
20	52.1	3.4	29.524	58.7	53.3	71	29.518	51.0	48.9	87	-1.46	2.8	0.4	22, 22, 20, 21
21	49.5	3.9	29.751	55.0	49.6	69	29.895	53.8	47.7	64	-0.38	2.8	0.7	21, 28, 28, —
22	48.0	7.5	30.069	52.6	47.3	68						0.7	0.1	— 26, — —
23	53.9	10.0	29.867	58.1	54.3	79	29.751	56.7	54.3	86		1.7	0.6	21, 20, 22, 18
											-1.80			
25	50.3	7.5	29.989	52.6	48.3	74	30.037	54.9	51.3	79	-0.50	1.6	0.3	22, 25, 24, 22
26	53.2	3.7	30.024	57.5	52.9	74	30.008	58.0	53.9	77		1.5	0.5	— 18, 20, 21
27	52.8	4.6	30.056	55.9	52.9	82	30.015	59.9	56.5	81		1.6	0.3	17, 17, 18, 18
28	50.3	7.2	29.936	53.8	51.9	88	29.872	62.8	55.8	65		0.2	0.0	— — — —
29	51.4	2.9	29.880	56.3	53.3	83	29.889	57.5	54.1	81		0.6	0.1	— 22, 22, 20
30	53.7	6.6	29.886	57.9	54.3	80	29.907	59.5	55.6	79		1.3	0.6	20, 20, 21, 22
Oct. 2	55.0	9.6					29.570	55.9	52.3	79		1.3	0.4	22, — 18, 20
3	49.1	1.2	29.508	50.6	44.9	66	29.628	48.0	41.3	58	-0.35	3.8	1.1	28, 27, 29, 26
4				48.0	43.5							1.9	.....	— — — —
5												2.68	2.4	— — — —
6												1.65	1.2	— — — —
7												0.95	0.7	— — — —
9												0.20	0.4	— — — —
10												2.0	.....	— — — —
11	46.1	2.1	29.848	51.4	46.3	69	29.977	49.6	45.5	74	-1.60	2.0	0.1	— 23, 22, 24
12	43.4	2.2	30.298	47.0	44.1	80	30.240	49.0	47.3	89		3.0	0.1	— — 19, —
13	51.7	10.0	30.098	53.2	51.3	88	30.050	55.0	53.3	90		0.8	0.2	— 17, 20, 20
14	54.9	9.2	29.944	56.9	55.2	90	29.921	55.9	53.3	85		0.8	0.2	— 16, 18, 18
16	43.4	8.7	29.726	46.0	43.9	85	29.530	44.6	43.3	91		0.3	0.0	— — 20, —
17	41.6	7.6	29.353	44.2	43.6	96	29.366	41.0	40.9	99		5.5	0.9	6, 6, 0, 1
18	40.6	8.9	29.516	42.0	38.3	73	29.502	40.8	37.1	72	-8.70	7.0	2.6	0, 30, 31, 31
19	42.6	10.0	29.398	42.3	40.6	88	29.200	46.6	44.9	89	-0.52	2.1	0.4	— 18, 14, 18
20	47.9	6.6	30.024	50.3	47.1	79	30.084	52.3	46.1	63		2.5	0.2	— 26, 28, 25
21	44.5											0.7	.....	— — — —
												4.02		
23	39.8	4.5	28.923	43.5	41.7	87						0.3	0.1	— 20, 20, —
24	40.7	2.4	28.844	42.0	39.9	85	28.879	41.2	38.7	82		1.2	0.2	18, 18, 18, 18
25	37.2	6.1	28.880	38.8	37.5	90	28.874	41.0	39.1	86		0.4	0.1	— 22, 16, —
26	35.5	3.0	29.289	40.0	37.9	84	29.467	42.6	39.3	77		0.3	0.1	— — 20, 18
27	39.6	4.9	29.910	40.3	38.9	89	29.911	45.0	43.3	87		1.0	0.1	— 18, 16, 15
28	51.8	10.0	29.738	53.8	50.6	81	29.742	52.8	50.8	88		3.4	1.8	17, 16, 16, 16
												1.58		
30	47.3	6.1	29.846	47.0	45.6	90	29.748	53.8	51.3	85		0.5	0.1	— — 18, 18
31	49.1	6.1	29.679	53.0	50.5	85	29.749	48.8	48.1	95		2.0	0.2	— 19, 20, 16

* See Introduction for a description of the methods by which these means have been obtained.

DAILY METEOROLOGICAL OBSERVATIONS DURING NOVEMBER AND DECEMBER, 1854. 95

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Nov. 1	o	.....	.....	c	c	.....	.....	o	o	.....	.....	.....	.....	— — — —
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
Dec. 1	34.4	7.9	29.186	33.0	30.0	75	29.305	32.0	29.7	81	.....	1.7	0.4	28, 28, 28, 27
2	34.0	8.9	29.523	32.8	29.6	74	29.610	36.6	34.5	83	.....	1.5	0.4	26, 19, 20, —
4	42.7	5.0	29.577	41.6	38.1	74	29.531	43.0	41.5	89	-090	7.0	1.0	26, 18, 21, 20
5	41.6	6.7	28.872	41.6	38.3	76	28.529	40.5	39.7	94	-100	4.0	2.1	19, 20, 18, 18
6	43.1	6.3	29.048	42.6	38.6	72	29.282	41.0	37.9	77	-058	3.5	0.8	25, 26, 26, 26
7	34.2	7.7	29.930	34.2	31.2	75	29.876	33.0	32.3	93	.....	1.8	0.2	26, 22, 22, 20
8	47.5	6.1	29.320	51.5	48.1	79	29.260	45.0	40.9	72	-170	3.3	0.7	20, 23, 19, 20
9	36.6	4.9	29.149	38.0	35.1	78	29.354	36.5	33.9	79	-020	2.4	0.5	24, 25, 28, 28
11	41.6	10.0	29.394	42.0	41.3	95	29.277	45.5	45.3	99	.....	2.8	1.1	18, 17, 17, 17
12	38.8	3.1	29.615	38.0	35.7	82	29.504	41.6	39.9	87	.....	3.7	1.3	18, 20, 20, 18
13	45.6	10.0	29.495	46.3	45.6	95	29.316	47.3	47.3	100	-110	4.0	1.5	20, 19, 20, 17
14	44.0	8.3	29.470	42.6	41.6	93	29.486	46.5	43.3	78	-125	3.2	0.4	— 18, 20, 24
15	46.2	9.2	29.434	48.0	44.1	75	29.489	42.0	39.6	82	-030	5.1	0.9	26, 22, 22, —
16	34.1	2.4	29.510	35.5	33.5	83	29.582	32.7	31.3	88	.....	1.0	0.1	— 22, 23, —
18	32.9	0.4	29.103	31.8	28.8	74	29.255	35.0	34.3	94	-090	3.0	1.1	2, 28, 28, —
19	32.5	9.2	29.441	32.0	29.4	78	29.127	34.8	33.5	89	.....	1.5	0.1	20, — 16, 16
20	37.4	1.9	29.399	39.3	36.6	79	29.674	35.2	32.9	80	-070	2.2	0.2	— 28, 27, 26
21	45.1	10.0	29.571	45.0	43.7	91	29.567	49.3	47.6	89	-115	1.8	0.6	22, 20, 16, 18
22	51.2	10.0	29.233	54.5	52.3	86	29.022	53.0	51.5	91	.....	5.8	2.0	20, 20, 20, 21
23	36.3	6.4	29.580	37.2	35.7	87	29.522	38.0	37.3	94	-088	6.0	0.1	— 20, 22, 20
25	38.6	.....	29.025	39.3	37.1	83	.....	.....	.....	.....	-060	6.3	0.6	20, 18, — —
26	34.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	-620	3.2	.....	20, — — —
27	30.8	1.3	29.448	32.2	31.2	91	29.608	29.1	29.2	100	.....	2.0	0.3	22, 20, 22, 26
28	28.3	1.1	30.185	26.9	26.7	98	30.164	27.9	28.0	100	.....	0.5	0.0	— — 20, 20
29	44.4	5.1	30.002	45.0	42.3	81	30.020	44.3	43.3	92	.....	2.8	0.8	20, 21, 20, 18
30	43.3	5.2	29.764	43.6	42.3	91	29.925	41.2	37.5	72	-020	5.0	1.6	18, 18, 23, 20

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Mankerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Mankerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .	
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*		
Jan.	1	43.5	4.1	29.408	42.6	39.5	78	29.529	41.6	36.9	66		11.0	5.6	28, 28, 28, 26
	2	43.0	10.0	29.835	42.2	39.1	77	29.796	44.8	43.5	91		2.6	0.0	— — — —
	3	45.7	6.0	29.886	47.3	.....	.....	29.878	46.8	44.6	85		0.7	0.2	21, 24, 24, 23
	4	45.4	10.0	29.764	46.0	43.1	80	29.688	44.8	42.1	81		2.7	1.0	20, 19, 20, 19
	5	46.5	9.9	29.524	47.0	46.3	95	29.439	48.2	47.1	92		3.5	1.3	18, 20, 18, 18
	6	45.6	9.0	29.923	47.0	44.1	80	30.101	45.2	43.9	91		2.6	0.1	— 18, 18, 18
	8	45.6	9.5	29.960	46.2	43.7	82	29.899	45.6	44.1	90		3.0	1.8	18, 20, 20, 20
	9	37.3	2.7	30.047	36.6	35.3	89	30.216	37.3	36.3	91		5.0	0.0	— — 30, 0
	10	27.3	2.6	30.329	24.7	24.9	100	30.270	29.1	29.6	100		0.1	0.0	— — — —
	11	38.6	5.0	30.275	37.8	36.7	91	30.261	40.0	38.9	91		0.1	0.0	18, — — —
	12	37.0	10.0	30.458	36.6	36.3	97	30.457	39.2	38.7	95		0.0	0.0	— — — —
	13	33.8	5.8	30.435	32.8	32.0	92	30.377	37.0	36.3	94		0.0	0.0	— — — —
	15	33.6	7.5	30.250	32.0	31.7	97	30.139	36.5	33.6	75		0.7	0.0	18, — — —
	16	35.1	9.9	30.015	35.8	34.9	92	30.030	35.2	34.1	90		1.0	0.2	28, 30, 31, 4
	17	30.6	6.7	30.219	30.3	29.2	90	30.211	31.7	30.6	91		0.3	0.1	— 4, 4, 2
	18	31.6	9.6	30.011	30.7	30.4	97	29.912	34.6	34.5	99		0.9	0.2	— 28, 29, 0
	19	38.1	10.0	29.858	40.0	39.9	99	29.810	39.6	38.6	92	-.228	1.5	0.3	— 1, 0, 31
	20	32.0	8.2	29.958	32.6	31.4	90	29.910	32.2	31.8	96	-.110	0.6	0.1	— 6, 1, 4
	22	31.9	10.0	29.671	33.0	33.1	100	29.665	31.7	31.7	100	-.148	0.5	0.1	— 2, 7, —
	23	27.9	7.5	29.828	27.1	26.8	97	29.866	31.1	30.5	95		0.2	0.0	— — 24, —
	24	31.7	9.2	30.028	31.7	31.0	94	30.030	32.6	31.6	92		0.2	0.0	— — 20, —
	25	34.6	10.0	30.013	35.2	33.7	87	.....	.....	.....	.....	-.100	0.6	0.1	— 30, —
	26	33.1	9.4	29.706	33.0	32.5	95	29.717	31.9	32.1	100		1.5	0.1	— — 28, 2
	27	33.0	9.9	29.896	34.2	32.5	85	29.964	32.6	32.3	97	-.170	2.0	0.6	2, 2, 2, 2
	29	25.2	4.9	29.585	28.4	27.7	93	29.536	28.1	27.7	96		0.3	0.0	— — — 20
	30	24.7	9.2	29.706	24.2	24.5	100	29.733	27.7	27.6	99		0.0	0.0	— — — 8
	31	27.2	10.0	29.653	27.5	27.6	100	29.630	28.9	28.1	93		0.6	0.3	8, 8, 6, 5
Feb.	1	31.1	9.9	29.885	32.6	32.5	99	29.967	33.6	33.3	97		0.3	0.2	4, 4, — 6
	2	24.2	10.0	30.036	29.7	29.6	99	29.974	34.8	33.3	87		0.2	0.0	— — — 6
	3	33.0	10.0	29.646	33.6	32.6	91	29.455	35.0	33.8	89		1.5	0.3	6, 6, 6, 5
	5	34.1	10.0	29.325	34.2	33.9	97	29.343	35.4	33.6	85	-.294	1.0	0.3	— 2, 1, 2
	6	33.5	3.4	29.486	35.2	32.9	80	29.571	34.0	32.1	84	-.150	1.4	0.3	4, 2, 2, —
	7	32.6	7.2	29.775	33.8	33.5	97	29.760	34.2	32.8	87	-.200	1.6	0.4	2, 1, 1, 2
	8	29.7	.....	.....	.....	.....	.....	.....	.....	.....	.....		3.2	.....	— — — —
	9	38.1	10.0	30.027	29.4	29.4	100	30.013	28.7	28.7	100		3.0	1.0	7, 7, 7, 7
	10	32.3	9.1	29.837	31.7	31.9	100	29.830	29.1	27.8	88		1.0	0.0	— — — —
	12	24.5	6.8	29.494	24.6	24.9	100	29.450	30.7	30.2	95	-.122	1.0	0.1	8, — — 2
	13	27.5	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.0	.....	4, — — —
	14	24.6	6.7	29.309	25.7	25.7	100	29.322	25.6	25.6	100		2.0	.....	2, — — —
	15	7.4	4.7	29.635	13.0	13.3	100	29.739	16.3	16.6	100		↑	.....	— — — —
	16	6.0	0.1	29.868	6.1	.....	.....	29.818	11.4	.....	.....		↑	.....	— — — —
	17	10.2	0.5	29.816	5.7	.....	.....	29.783	18.6	.....	.....		↑	.....	— — — —
	19	18.6	5.3	29.875	18.1	.....	.....	29.821	29.3	29.0	97	-.680	↑	.....	— — — —
	20	24.5	8.0	29.736	26.7	26.0	92	29.697	28.6	28.6	100		↑	.....	— — — —
	21	22.4	6.3	29.733	20.0	.....	.....	29.731	26.1	26.2	100		↑	.....	— — — —
	22	15.9	5.6	29.791	21.0	.....	.....	29.785	22.8	22.5	97		↑	.....	— — — —
	23	27.2	8.7	29.067	29.1	.....	.....	29.676	33.4	33.5	100		↑	.....	— — — —
	24	32.2	6.7	29.531	33.2	31.6	86	29.346	36.0	35.6	97		2.0	1.1	20, 18, 18, 20
	26	32.3	7.9	29.405	36.2	34.9	89	29.465	35.2	31.6	72	-.220	↑	.....	— — — 20
	27	31.6	8.2	29.511	31.1	30.0	90	29.510	36.6	34.6	84		↑	.....	— — — 12
	28	37.1	7.6	29.444	38.0	36.3	86	29.470	40.2	37.5	79	-.288	↑	.....	18, 24, 25, 18

* See Introduction for a description of the methods by which these means have been obtained.

† Anemometer frozen.

DAILY METEOROLOGICAL OBSERVATIONS DURING MARCH AND APRIL, 1855.

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Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky Clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. =100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. =100.		Max.	Mean.*	
Mar. 1	39.1	7.8	28.920	41.4	38.5	79	28.982	42.3	38.9	76	.110	4.0	1.1	20, 18, 20, —
2	40.5	6.2	28.768	42.5	40.9	88	28.568	44.4	40.5	73	.030	5.0	1.2	— 18, 18, 16
3	36.1	6.4	28.518	36.0	35.5	96	28.700	40.6	35.9	65	.184	5.0	1.4	16, — 25, 25
5	39.0	6.3	29.365	41.0	38.6	82	29.434	43.8	40.6	77		1.0	0.3	20, 18, 18, —
6	36.2	0.3	29.665	38.8	37.3	88	29.672	43.8	40.1	74	.200	1.0	0.1	— — 18, 17
7	33.0	9.2	29.736	32.0	.....	.....	29.766	40.3	37.5	79		0.2	0.0	— — — 6
8	35.8	7.9	30.015	39.6	36.6	77	.....	.....	.....	.....		0.0	0.0	— — — —
9	33.6	6.7	29.822	32.0	30.9	91	29.722	37.2	33.5	70		0.4	0.1	— — — 14
10	28.9	10.0	29.611	30.1	29.7	97	29.497	31.3	31.0	97		0.2	0.0	— — — —
12	37.2	9.6	28.558	39.0	37.6	89	.....	.....	.....	.....	.200	2.5	0.0	— — — —
13	34.2	10.0	28.969	35.0	33.7	89	29.137	35.8	34.5	89	.070	0.3	0.0	28, — — —
14	37.0	9.5	29.346	41.0	38.6	82	29.383	42.6	37.8	66		0.0	0.0	— — — —
15	32.9	8.4	29.510	34.8	33.3	87	29.357	37.0	34.7	82		4.5	0.5	— — — 14, 14
16	37.5	10.0	29.139	41.0	39.6	89	.....	.....	.....	.....		4.0	.....	— — — —
17	38.7	10.0	29.156	41.3	40.9	97	29.061	42.8	38.7	71		2.4	0.0	— — — 24, —
19	36.1	6.2	29.693	40.2	35.5	65	29.691	39.0	34.7	68	.020	0.4	0.1	— — — 8, 8
20	33.3	10.0	29.668	35.0	33.5	87	29.607	35.6	33.6	83		0.3	0.1	— — — 6, 6
21	35.4	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.3	3.0	— — — —
22	31.7	8.6	29.130	33.8	32.7	91	29.135	32.2	32.3	100		7.2	3.0	4, 6, 3, 6
23	31.3	9.3	29.120	33.2	31.2	84	29.121	33.6	33.3	98	.100	4.8	0.7	2, 4, 3, —
24	32.5	8.6	29.171	36.2	32.6	71	29.169	39.2	33.7	58		0.2	0.0	— — — —
26	37.0	5.4	29.418	41.3	37.6	72	29.436	41.8	38.9	79		0.1	0.0	— 24, — —
27	34.9	7.2	29.645	37.0	31.9	62	29.732	38.7	33.5	60		1.9	0.6	2, 4, 0, 2
28	35.5	7.1	30.011	37.2	37.1	99	30.117	39.2	36.3	77		1.0	0.2	4, 0, 2, 6
29	34.6	7.5	30.306	37.0	34.7	81	30.290	43.4	37.7	60		0.2	0.0	— — — —
30	37.2	10.0	30.306	40.0	37.9	84	30.252	43.0	39.6	75		0.0	0.0	— — — —
31	37.5	0.6	30.268	40.3	37.7	80	30.232	43.6	37.9	60		0.2	0.1	— — — 9, 14
April 2	35.6	4.4	29.884	39.3	35.3	68	29.748	45.6	38.7	55		0.3	0.1	— — — 16, 18
3	36.4	10.0	29.602	40.8	35.6	62	29.542	40.8	35.8	63		0.2	0.1	— '12, 14, 13
4	35.4	0.8	29.589	40.6	36.7	71	29.700	40.2	39.3	93		0.2	0.0	— 20, — —
5	39.0	9.1	29.724	48.6	46.9	88	29.741	54.9	48.9	66		0.6	0.2	20, 20, 20, 24
6	50.3	9.2	29.732	54.6	51.7	83	29.668	56.1	52.1	77	.062	2.6	0.4	— 20, 18, 22
7	43.4	4.2	29.884	48.0	41.3	57	29.758	47.0	40.7	59		2.6	0.5	— 26, 24, 23
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.020	12.0	.....	— — — —
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.030	13.5	.....	— — — —
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		5.0	.....	— — — —
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.068	13.6	.....	— — — —
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.5	.....	— — — —
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.550	4.5	.....	— — — —
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.050	4.7	.....	— — — —
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.5	.....	— — — —
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.3	.....	— — — —
19	49.3	1.4	29.802	55.7	49.7	66	29.801	53.0	44.5	51		1.7	0.6	20, 20, 20, 21
20	43.2	3.4	30.015	47.0	40.7	58	30.108	45.6	39.5	59		1.8	0.5	25, 28, 31, 0
21	40.6	0.2	30.399	42.3	38.6	72	30.344	50.6	43.3	56		1.1	0.2	— 7, 0, 0
23	49.7	0.3	30.319	54.5	44.7	45	30.248	64.1	49.3	32		0.1	0.0	— — — —
24	51.2	3.9	30.136	57.9	45.9	38	30.090	53.6	45.9	56		0.6	0.2	— 28, 30, 0
25	43.3	8.9	30.106	44.0	42.9	92	30.065	46.8	43.8	80		2.2	0.4	2, 4, 4, 3
26	39.8	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.0	.....	— — — —
27	48.2	4.9	29.949	53.0	48.3	72	29.900	53.0	48.9	75		0.2	0.1	— — — 4, 3
28	43.4	9.1	30.008	45.6	43.3	84	30.119	49.0	43.9	68	.015	0.3	0.1	4, 4, 4, 6
30	44.9	2.7	30.139	53.0	47.1	65	30.124	48.6	43.6	69		0.8	0.1	— — — 4, 6

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makersstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makersstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
May 1	39.7	9.7	30.048	39.3	38.9	96	30.128	42.0	40.3	87	-160	3.7	1.5	4, 4, 4, 6
2	48.0	7.0	29.962	51.6	45.3	62	29.730	58.2	47.7	45		1.7	0.1	18, 20, 24, 24
3	35.1	7.5	29.656	39.3	36.3	77	29.642	38.0	32.3	56	-025	3.3	0.8	1, 2, 0, 31
4	35.1	5.2	29.709	37.8	32.6	59	29.709	40.3	35.5	65		2.6	0.3	0, 0, 0, 4
5	42.2	9.2	29.609	45.0	40.9	72	29.444	45.8	43.6	85		7.0	1.3	18, 21, 20, 18
7	40.2	10.0	29.472	41.8	41.1	95	29.119	48.0	46.6	91	-160	1.7	0.5	18, 4, 4, 21
8	39.7	6.7	29.492	44.0	37.9	58	29.616	46.8	38.9	50	-468	3.2	1.4	24, 29, 30, 28
9	41.3	5.1	29.590	48.6	42.6	62	29.592	38.0	34.3	71		1.8	0.5	20, 22, — 6
10	39.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	-230	.....	.....	.....
11	38.3	9.5	29.292	41.0	41.0	100	29.432	41.6	39.6	85	-302	1.3	0.6	4, 2, 4, 4
12	41.0	10.0	29.644	44.0	41.6	83	29.630	45.2	42.5	81		2.0	0.4	4, 4, 4, 5
14	41.2	9.4	29.584	41.6	41.3	98	29.536	46.0	41.5	70	-020	0.7	0.2	4, 4, 4, 5
15	40.7	10.0	29.481	44.4	42.1	84	29.514	42.0	41.9	99		0.8	0.2	1, 2, 4, 2
16	45.0	8.5	29.547	47.8	43.1	70	29.526	50.0	45.3	71	-030	0.1	0.0	30, — — —
17	46.7	10.0	29.645	47.7	44.6	79	29.649	52.2	46.3	65		0.6	0.1	— — — 22
18	49.2	4.6	29.798	52.0	47.1	70	29.779	56.4	49.9	64		1.3	0.1	— — — 20, 20
19	56.5	9.4	29.691	61.8	56.4	73	29.657	60.4	55.3	73		1.4	0.2	15, 22, 18, 15
21	45.5	10.0	29.753	50.8	47.4	79	29.728	46.0	42.6	76		2.8	0.7	31, 2, 1, 2
22	45.7	10.0	29.609	47.0	44.6	84	.....	.....	.....	.....		1.4	0.1	31, — — —
23	49.6	6.2	29.494	52.2	46.9	69	29.447	58.3	50.9	61		0.3	0.1	— 24, — 20
24	56.0	8.7	29.457	58.7	53.6	73	29.488	60.0	55.2	75		1.8	0.4	14, 14, 14, 13
25	60.6	8.0	29.637	66.9	59.6	66	29.643	62.2	57.8	77		2.4	0.6	10, 12, 14, 14
26	57.1	4.1	29.792	61.8	57.9	80	29.684	65.8	59.4	69		1.8	0.8	4, 4, 2, 4
28	44.8	5.6	29.803	48.3	43.3	68	29.813	48.4	42.9	65		2.7	1.3	4, 4, 3, 2
29	41.8	7.4	29.785	45.3	43.1	85	29.931	41.6	39.8	87		12.8	3.2	0, 2, 4, 2
30	42.6	6.4	29.980	46.0	40.3	61	29.952	47.3	41.3	61		3.0	1.3	31, 2, 2, 2
31	41.7	10.0	29.908	44.8	41.7	78	29.869	44.6	40.9	74	-180	3.1	1.6	4, 2, 4, 3
June 1	40.6	10.0	29.684	42.0	41.9	99	29.655	43.3	43.1	99	-226	3.1	0.4	4, 3, 4, 2
2	46.9	10.0	29.684	53.0	50.3	84	29.671	51.6	48.3	80	-058	0.2	0.0	— — — 20, 18
4	53.8	7.1	29.493	56.3	52.3	77	29.432	61.1	53.7	62	-020	0.8	0.2	20, 22, 20, 18
5	55.3	5.5	29.452	58.0	54.9	83	29.483	64.0	55.6	60	-062	1.9	0.2	— 18, 18, 18
6	57.3	7.4	29.589	59.3	56.3	84	29.572	61.8	59.7	89		0.7	0.1	18, 18, 18, —
7	55.1	9.7	29.593	57.8	54.1	80	29.600	61.8	55.9	70	-560	0.3	0.1	— 26, 18, 20
8	55.5	7.7	29.671	61.4	54.7	66	29.654	57.5	54.3	82		0.3	0.1	— 8, 8, 8
9	53.4	9.8	29.637	55.9	51.3	74	29.648	57.9	54.7	82	-148	0.5	0.1	— 16, 18, 18
11	56.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	-060	0.3	.....	— — — —
12	58.5	4.8	29.878	62.1	54.3	61	29.764	64.4	56.8	63		0.4	0.1	15, 16, 18, 18
13	59.9	6.4	29.520	65.2	56.8	60	29.379	63.8	56.8	66		0.2	0.0	— — — 16, —
14	50.1	10.0	29.183	53.0	50.9	87	29.130	57.5	54.4	83	-298	0.2	0.0	4, — — 20
15	50.4	10.0	28.814	54.0	52.3	90	28.904	56.1	53.3	84	-072	0.3	0.1	— — — 5, 7
16	44.6	10.0	29.161	47.6	45.3	85	29.259	46.2	45.9	98	-162	8.6	2.2	0, 30, 0, 2
18	45.8	10.0	.....	.....	.....	.....	29.693	49.6	45.7	76	-030	0.2	0.1	— — — 20, 4
19	46.0	10.0	29.936	49.6	46.3	79	.....	.....	.....	.....		0.0	0.0	— — — —
20	55.7	4.0	30.193	57.9	54.1	79	30.166	63.8	56.2	63		0.2	0.0	9, — — —
21	64.9	6.0	30.164	67.5	62.1	74	30.127	71.0	62.1	61		0.1	0.0	— — — 4
22	63.1	9.0	30.057	64.8	61.5	83	29.984	72.0	63.3	62		0.2	0.0	— — — —
23	53.1	8.2	30.042	56.1	54.3	89	29.989	63.2	54.9	59		0.2	0.1	— 6, 6, 30
25	56.3	10.0	29.640	58.9	56.2	85	29.604	61.4	58.4	84	-080	2.7	0.9	20, 20, 20, 20
26	59.7	8.6	29.869	63.0	60.1	85	29.934	64.8	58.8	70	-035	1.9	0.3	28, 20, 20, 20
27	62.0	6.7	30.093	65.8	58.5	65	30.094	69.1	60.4	61		1.2	0.2	20, 20, 22, 24
28	65.6	2.6	30.029	68.5	62.3	71	29.962	77.3	66.8	58		0.2	0.0	— — — 20, 20
29	68.0	5.0	29.885	68.9	61.6	66	.....	.....	.....	.....		0.4	0.1	— 15, 15, —
30	59.4	10.0	29.685	64.8	62.7	89	29.685	59.9	58.2	91		0.4	0.0	2, — — 20

* See Introduction for a description of the methods by which these means have been obtained.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
July 2	59.1	8.3	29.904	66.7	61.1	73	29.879	63.6	53.0	50	-150	0.4	0.0	— 17, — 24
3	58.3	9.4	29.911	61.6	56.2	72	29.873	62.4	59.5	85		0.4	0.2	18, 18, 17, 18
4	56.9	6.3	29.966	60.2	56.2	78	29.943	63.1	57.2	70	-030	0.7	0.1	— 4, 7, 7
5	51.8	10.0	29.938	53.8	51.3	85	29.892	55.9	53.9	88		0.3	0.1	— 4, 8, 8
6	58.1	3.7	29.887	58.4	55.2	82	29.860	67.9	61.3	69		0.3	0.0	— — 8, —
7	63.1	1.2	29.888	65.8	61.1	77	29.847	69.8	63.5	72		0.4	0.2	8, 6, 4, 6
9	61.2	0.7	29.649	68.1	60.7	66	.....	.....	.....	.....		0.3	0.0	— 4, — —
10	52.4	10.0	29.506	56.4	55.8	97	29.491	55.1	55.2	100		0.2	0.1	4, 4, 4, 4
11	58.8	10.0	29.503	64.4	61.4	85	29.526	64.8	61.4	83	-112	0.2	0.0	— — 6, —
12	64.9	7.0	29.644	66.1	62.4	82	29.636	74.0	65.1	63		0.3	0.1	— — 6, —
13	68.3	8.6	29.691	72.8	65.8	70	29.676	79.7	71.6	68		0.1	0.0	— — — —
14	60.4	8.7	29.581	61.4	.....	.....	29.516	71.0	64.4	71	-618	0.3	0.0	— — — 20
16	55.7	10.0	29.323	58.7	57.4	93	29.244	59.4	57.2	88	-068	0.0	0.0	— — — —
17	56.7	10.0	.....	.....	.....	.....	29.372	59.9	56.6	92	-352	0.4	0.2	31, — 0, 31
18	59.7	6.6	29.424	63.4	59.2	79	29.411	66.1	57.7	61	-800	0.4	0.2	20, 22, 20, 18
19	56.6	9.9	29.393	61.8	57.8	80	.....	.....	.....	.....	-030	0.4	0.1	20, 20, — —
20	58.2	7.9	29.518	61.8	57.8	79	29.621	63.8	57.8	70	-400	0.3	0.1	27, 28, 28, 0
21	61.8	6.9	29.813	64.6	58.2	69	29.838	66.1	60.5	73		0.7	0.1	— 0, 0, 19
23	66.3	7.3	29.779	72.8	67.5	76	29.639	67.1	65.9	94		0.0	0.0	— — — —
24	58.0	10.0	29.406	63.8	63.1	96	29.386	60.4	60.1	98	-150	0.2	0.0	— — — 2, 2
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-406	0.2	.....	1, — — —
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-100	0.3	.....	— — — —
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-025	0.1	.....	— — — —
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		0.1	.....	— — — —
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-270	.....	.....	— — — —
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-503	0.1	.....	— — — —
† Sep. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-330	0.1	.....	— — — —
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-010	.....	.....	— — — —
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-012	.....	.....	— — — —
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-048	.....	.....	— — — —
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-076	.....	.....	— — — —
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-400	.....	.....	— — — —
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
19	.....	9.0	29.736	.....	.....	.....	29.695	58.7	56.5	88	.....	0.3	0.1	— 20, — 18
20	58.7	8.7	29.731	62.8	60.1	86	29.797	62.8	60.3	87	.....	1.4	0.4	16, 16, 16, 18
21	58.5	3.6	29.920	61.4	59.3	88	29.962	62.6	59.5	84	.....	2.0	0.5	18, 20, 20, 20
22	62.5	10.0	30.087	66.0	63.4	87	30.074	67.9	64.1	82	.....	0.4	0.0	18, — — —
24	48.2	6.9	30.399	51.0	46.6	73	.....	.....	.....	.....	-070	0.2	0.1	— 5, 4, —
25	45.2	5.2	30.275	52.0	48.3	77	30.161	55.0	49.9	70	.....	0.2	0.1	20, 20, 18, 20
26	51.7	9.4	29.984	54.6	50.6	76	29.914	56.5	52.3	76	.....	0.3	0.1	— 20, 17, 20
27	50.5	9.5	29.703	55.5	52.5	83	.....	.....	.....	.....	.....	0.0	0.0	— — — —
28	54.0	9.3	29.206	57.7	54.1	80	29.121	56.1	55.5	97	.....	0.5	0.2	16, 16, — —
29	51.1	3.5	29.379	53.8	52.3	91	29.445	58.5	55.3	83	-462	0.0	0.0	— — — —
											-020			

* See Introduction for a description of the methods by which these mean have been obtained.

† No observations during August.

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Oct. 1	54.0	8.2	29.313	56.7	55.8	95	29.288	55.0	53.3	90		0.3	0.1	4, 2, 4, —
2	50.7	9.9	29.427	53.8	52.1	90	.....	.....	.....	.....		0.1	0.0	— — — —
3	52.6	10.0	29.467	54.0	53.3	96	.....	.....	.....	.....		0.2	0.0	— — — —
4	54.6	8.3	29.026	57.5	56.2	93	28.872	56.7	55.5	93	-378	0.2	0.0	10, 15, 15, —
5	50.9	7.5	28.852	55.9	52.6	81	28.925	52.2	47.3	71	-045	2.1	0.7	— 18, 17, 17
6	52.0	5.7	29.021	53.8	50.3	80	28.961	55.5	52.5	83	-025	1.3	0.2	— 15, 14, 14
											-425			
8	46.9	9.2	29.286	46.8	46.1	95	29.266	53.0	50.3	84		0.1	0.0	— — — —
9	48.6	9.9	29.306	53.0	52.3	96	29.346	46.8	43.1	75	-100	0.3	0.2	26, 30, 31, 1
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		1.2	.....	— — — —
11	48.1	9.7	29.180	51.0	47.9	81	29.093	49.2	47.9	92	-080	0.5	0.0	— 20, — —
12	46.5	8.0	29.209	49.4	46.1	79	29.203	50.8	45.3	67	-100	0.5	0.1	— 20, 22, 20
13	44.5	8.4	29.215	41.6	.....	.....	29.212	45.8	43.3	83		1.6	0.2	18, 20, 22, 20
											-050			
15	40.0	2.5	29.191	40.2	39.1	92	29.188	47.2	43.1	73		0.0	0.0	— — — —
16	41.4	6.5	29.383	46.0	43.5	83	.....	.....	.....	.....		0.0	0.0	— — — —
17	39.0	5.4	29.656	38.5	37.8	95	29.607	45.5	40.9	69		0.3	0.0	— — 20, —
18	48.6	5.6	29.429	53.2	49.3	77	29.519	49.0	46.1	81		2.7	0.4	20, 20, 26, 22
19	49.2	9.4	29.618	51.3	49.3	88	29.629	52.8	50.1	84	-030	1.0	0.3	20, 20, 20, 20
20	53.1	9.7	29.644	53.8	52.5	92	29.594	54.2	.....	.....	-025	11.0	1.1	16, 19, 18, 18
											-025			
22	49.7	7.6	29.889	52.0	49.3	83	29.788	51.0	47.9	80		3.0	0.1	— 22, 18, 18
23	47.4	8.0	29.342	46.6	44.1	83	29.333	45.2	42.3	80		4.8	1.2	19, 18, 22, 20
24	38.0	3.0	29.379	41.0	38.9	85	29.467	39.6	37.9	87	-372	4.7	0.6	18, 18, 19, 22
25	48.4	10.0	29.204	50.3	47.8	84	28.843	50.6	50.9	100		7.0	2.0	18, 18, 18, 18
26	42.6	5.6	28.553	48.0	45.3	82	28.692	40.6	39.9	95	-292	3.3	0.6	17, 18, 19, 26
27	31.5	5.2	29.233	36.6	34.6	84	.....	.....	.....	.....	-032	0.2	0.0	— — — —
29	34.8	8.7	29.403	33.6	33.5	99	29.350	43.0	42.5	96		0.2	0.0	— — 4, 4
30	43.0	10.0	29.432	44.0	42.1	86	29.412	45.0	41.9	78	-529	7.7	1.1	2, 1, 2, 1
31	42.3	9.4	29.529	45.0	40.7	70	29.611	42.0	39.1	79	-020	8.2	2.1	0, 0, 0, 31
Nov. 1	36.7	4.5	29.563	38.5	33.7	63	29.526	38.0	35.3	78		4.2	1.1	26, 28, 28, 28
2	42.1	7.3	29.687	43.8	41.9	86	29.746	44.0	41.3	81	-180	3.0	0.2	31, 31, 31, 0
3	43.8	9.4	29.826	44.8	44.6	99	.....	.....	.....	.....	-190	1.0	0.1	— 1, 6, —
5	43.6	10.0	29.790	44.8	44.1	95	29.720	47.8	47.1	95		0.6	0.1	— 17, 18, 16
6	41.9	.....	.....	.....	.....	.....	.....	.....	.....	.....		2.7	.....	— — — —
7	42.6	10.0	29.386	40.3	40.3	100	29.148	49.0	48.3	96	-498	1.5	0.4	— 2, — 16
8	40.9	5.6	29.115	44.8	43.1	88	29.110	40.0	38.3	87	-228	3.0	0.1	— 18, 18, —
9	36.6	7.7	29.481	34.2	33.9	97	29.486	42.2	40.9	90	-030	0.0	0.0	— — — —
10	44.0	5.5	29.543	44.9	44.1	94	29.543	46.6	45.1	90		1.6	0.0	— — 15, —
12	49.5	10.0	29.871	51.0	49.3	89	29.871	49.2	47.9	91	-040	1.5	0.2	18, 15, 14, 14
13	44.4	10.0	.....	.....	.....	.....	29.848	44.2	43.1	92		0.2	0.0	14, — — —
14	41.7	10.0	29.851	43.0	40.9	84	29.816	42.0	39.8	83		0.2	0.0	— 4, — 2
15	36.9	7.4	.....	.....	.....	.....	29.907	37.6	37.5	99		0.9	0.0	— — — —
16	32.4	3.6	30.060	34.6	33.3	88	30.072	35.0	34.6	96		0.0	0.0	— — — —
17	30.7	5.1	30.191	30.3	30.0	97	30.157	35.2	34.7	95		0.0	0.0	— 20, — —
19	41.9	10.0	30.132	43.0	41.5	89	30.083	43.0	40.3	80	-083	0.2	0.1	4, 4, 4, 4
20	41.6	10.0	30.016	42.6	39.3	75	29.963	42.0	39.3	80		0.6	0.2	4, 6, 4, 5
21	41.5	9.9	29.866	42.6	40.1	81	29.832	41.6	39.6	85		0.3	0.1	4, 4, 4, —
22	40.3	9.2	29.770	41.0	37.9	77	29.724	39.8	38.5	90		0.3	0.1	— 4, 4
23	40.7	10.0	29.669	43.0	42.1	93	.....	.....	.....	.....	-030	0.3	0.2	4, 4, 4, —
24	38.6	9.9	29.867	40.3	38.9	89	29.905	39.8	38.9	92	-280	1.5	0.3	4, 4, 28, 30
											-150			
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-100	.....	.....	— — — —
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....	— — — —
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....	— — — —
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-003	.....	.....	— — — —
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....	— — — —

* See Introduction for a description of the methods by which these means have been obtained.

DAILY METEOROLOGICAL OBSERVATIONS DURING DECEMBER, 1855.

101

Civil Day.	Calculated Daily Means.*		11 A.M., Göttingen = 10 ^h 10 ^m A.M., Makerstoun Mean Time.				5 P.M., Göttingen = 4 ^h 10 ^m P.M., Makerstoun Mean Time.				Rain in Inches.	Force of Wind.		Direction of Wind at the following Hours, Göttingen Mean Time. 20 ^h , 23 ^h , 2 ^h , 5 ^h .
	Tem. of Air.	Sky clouded.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.	Barom. at 32°.	Tem. of Air.	Tem. of Evap.	Rel. Hum. Satur. = 100.		Max.	Mean.*	
Dec. 1	°	.....	.....	°	°	.....	.....	°	°	.....	.....	.....	.....	— — — —
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	— — — —
10	24.2	0.3	30.005	36.2	35.9	97	29.954	16.9	17.2	100	310	0.0	0.0	— — — —
11	26.6	3.1	29.868	27.9	27.0	91	29.674	23.7	23.5	98	.....	0.2	0.0	— — — 28, —
12	19.1	3.4	29.541	22.2	22.5	100	29.593	14.3	14.4	100	.....	0.2	0.0	— — — —
13	26.3	7.3	29.886	25.6	25.0	94	29.850	30.7	30.6	99	.....	0.2	0.2	— 30, 26, 28
14	45.2	8.2	29.527	45.6	44.9	95	29.543	48.0	47.3	95	.....	3.0	0.6	24, 22, 20, 21
15	44.2	9.5	29.750	47.0	45.8	91	.....	.....	.....	.....	.....	3.2	0.3	20, 19, 19, —
17	31.1	9.5	29.974	29.7	29.6	98	29.944	32.0	32.1	100	.....	0.3	0.0	— — — —
18	35.9	8.7	30.031	38.6	37.3	89	30.077	33.8	32.5	88	.....	3.8	1.0	20, 14, 14, 13
19	28.3	9.1	30.046	28.4	28.0	96	.....	.....	.....	.....	.....	6.0	2.1	15, 16, 16, —
20	27.6	5.8	29.824	37.0	37.1	100	29.732	28.1	28.4	100	.....	6.0	1.3	15, 15, 16, 16
21	24.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	↑	.....	— — — —
22	22.0	.....	29.669	24.2	24.5	100	29.611	22.0	21.5	94	.....	.....	.....	— — — —
24	41.0	9.6	29.004	41.6	40.3	91	29.013	42.5	41.3	91	076	.....	2.6	— — — 18, 19
25	40.2	9.6	29.172	41.6	40.9	95	29.150	39.0	39.3	100	.....	4.8	0.9	20, 18, 18, —
26	39.7	9.2	28.822	40.0	39.5	97	28.670	40.3	40.6	100	026	2.7	0.3	14, 14, 15, 16
27	40.6	7.0	29.097	41.6	40.9	95	29.271	39.0	39.3	100	020	2.0	0.5	18, 18, 18, 18
28	39.9	10.0	29.263	36.8	36.1	94	29.171	43.6	43.9	100	.....	2.1	0.0	— — — — 18
29	44.8	7.9	29.419	44.6	43.9	95	29.356	46.1	45.6	94	100	2.7	0.9	18, 18, 18, 18
31	45.3	2.6	29.756	45.6	45.3	98	.....	.....	.....	.....	003	5.0	0.5	18, 18, 18, —

* See Introduction for a description of the methods by which these means have been obtained.

† Anemometer frozen.

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